excavated soils this week were either used as backfill on Site (soils <10 ppm), loaded into a roll-off container (non-TSCA soils), or a rail car for off-site transportation (TSCA soils).

- This week AEI collected 15 post excavation samples, including QC samples. See attached Figures 1, 2, 3 and 4 illustrating post-excavation sample locations. See attached Table 1 for the results of field and lab PCB analyses available to date. Laboratory results for the deep excavation in the floodway adjacent to the TP-5 area are included. The results show that of the seven (7) samples collected, all were <1 ppm except for sample B-826-B (11 ppm) collected at a depth of 13 ft below grade. The location of this sample is shown on Figure 1. BASF requests EPA/DEM approval to leave this soil in place due to its depth and location adjacent to the retaining wall along the river.</p>
- Dewatering of one excavation in the floodway was completed this week. A total of 4,500 gallons were pumped. Water from the dewatering of excavations was pumped through bag filters and three carbon vessels to remove PCBs prior to off-site disposal, scheduled for next week.
- Excavations with acceptable post-excavation PCB analytical results were backfilled this week. A total of 1,388 cy of backfill material was emplaced and compacted. This brings the total amount of backfill material emplaced to 5,810 cy to date. Portions of the site were prepared for the placement of the liner materials and clean soil cap. A total of approximately 4,050 square feet of geotextile material (Mirafi) and the seams of the impermeable liner were sealed this week. The areas where the Mirafi was installed (approximately 42% of the Site to date) were covered with 1 foot of clean compacted soil. The revised plan that shows the location of all the areas covered with the impermeable liner is attached as **Figure 5**.
- There were no loads of non-TSCA soils or debris transported off-site for disposal this week. The totals remain at 1,284 tons of non-TSCA soil and 667.4 tons of non-TSCA debris moved off-site to date.
- The two full rail cars which remain on site this week will be transported off-site next week.
- Routine soil erosion and sedimentation control inspections are being conducted weekly and following rain events >0.25" of total rainfall in a 24-hour period. Issues noted during these inspections are relayed to SES the same day and corrected within 24-hours.

Dust: Fugitive dust is controlled by SES using water and covering inactive soil stockpiles. Continuous perimeter dust monitoring is performed during all site-related activity including on lot 2682 where the rail cars are loaded. To date, the accumulated data shows that there have been no exceedances of the perimeter dust action level (150 ug/m³).

Safety fencing is routinely installed around open excavations deeper than 3 feet at the end of each work day.

To date a total of 6,739 tons (4,084 cy) of PCB-impacted soils have been excavated from the site, which is approximately 117% of the originally delineated volume. Pending approval to leave the soil associated with sample B-826-B in place, only one very small area remains to be excavated in the floodway based on the results of post-excavation PCB analyses of >1 ppm but <10 ppm at a depth of 0-2 ft. This excavation will be completed the week of 12-17-18. The area of this excavation is shown on Figure 1.

Pending approval to leave the soils at B-826-B in place and the removal of the small area of soils in the floodway described above, PCB removal operations are complete. The remaining work to be completed is the installation of the temporary vegetated soil cover to secure the Site until the Spring of 2019 when the final cover will be installed.

For any questions, please do not hesitate to call. Thanks,

Richard G. Kowalski, CPG, LSP, CHMM Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor Boston, MA 02109 c. 508.951.3673 f. <u>857.233.5531</u> <u>www.aeiconsultants.com</u>

Aaron Ting

From: Battaglia, Frank <battaglia.frank@epa.gov>
Sent: Wednesday, December 5, 2018 10:20 AM

To: Tisa, Kimberly; Crawford, Jeffrey (DEM); Rick Kowalski

Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting; Battaglia, Frank

Subject: Re: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan

Changes

Rick, looks like the data supports your request to proceed with backfilling. Kim, Jeff and I all agree and therefore you are authorized to backfill the excavations referenced in this e-mail.

Sincerely,

Frank Battaglia 617 918-1362

From: Tisa, Kimberly

Sent: Wednesday, December 5, 2018 9:23 AM

To: Crawford, Jeffrey (DEM); Rick Kowalski; Battaglia, Frank **Cc:** Joseph F Guarnaccia; Stephen Graham; Aaron Ting

Subject: RE: [EXTERNAL]: RE: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

I am fine with the backfill as well.

Frank will need to confirm as well.

Thanks.

Kimberly N. Tisa, PCB Coordinator USEPA 5 Post Office Square, Suite 100 Boston, MA 02109-3912

617.918.1527 (phone) 617.918.0527 (fax)

Tisa.Kimberly@epa.gov

From: Crawford, Jeffrey (DEM) [mailto:jeff.crawford@dem.ri.gov]

Sent: Wednesday, December 05, 2018 7:16 AM

To: Rick Kowalski <rkowalski@aeiconsultants.com>; Battaglia, Frank <battaglia.frank@epa.gov>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>

Cc: Joseph F Guarnaccia <joseph.guarnaccia@basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>

Subject: RE: [EXTERNAL]: RE: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

DEM has no problem with backfilling these locations. Jeff

From: Rick Kowalski < rkowalski@aeiconsultants.com>

Sent: Tuesday, December 04, 2018 5:20 PM

To: Battaglia, Frank < <u>battaglia.frank@epa.gov</u>>; Tisa, Kimberly < <u>Tisa.Kimberly@epa.gov</u>>; Crawford, Jeffrey (DEM) < <u>ieff.crawford@dem.ri.gov</u>>

Cc: Joseph F Guarnaccia < <u>ioseph.guarnaccia@basf.com</u>>; Stephen Graham < <u>sgraham@aeiconsultants.com</u>>; Aaron Ting < ating@aeiconsultants.com>

Subject: [EXTERNAL]: RE: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

Dear Kim, Frank and Jeff:

As requested, AEI collected concrete lab PCB samples from below the locations of soil samples which had concentrations >=25 ppm (prior to subsequent excavation down to concrete slabs at 10 to 10.5 ft bg). The results of these analyses (attached) indicate that the highest PCB concentration detected in concrete was **3 ppm**. The locations of these samples are shown on the attached site plans.

Please advise if BASF is authorized to backfill these locations, the deep TP-5 excavation area, as well as locations where PCBs at depths of 2 ft or greater are less than 10 ppm in the floodway, as soon as possible. Thank you.

Richard G. Kowalski, CPG, LSP, CHMM Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor Boston, MA 02109

c. 508.951.3673 f. <u>857.233.5531</u>

www.aeiconsultants.com [aeiconsultants.com]

From: Battaglia, Frank < bent: Wednesday, November 14, 2018 4:47 PM">battaglia.frank@epa.gov>

To: Rick Kowalski < rkowalski@aeiconsultants.com>; Tisa, Kimberly < Tisa.Kimberly@epa.gov>; jeff.crawford@dem.ri.gov

Cc: Joseph F Guarnaccia < <u>ioseph.guarnaccia@basf.com</u>>; Stephen Graham < <u>sgraham@aeiconsultants.com</u>>; Aaron Ting < ating@aeiconsultants.com>; Battaglia, Frank < battaglia.frank@epa.gov>

Subject: Re: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

Rick, I will check in with Kim and Jeff and get back to you tomorrow.

Frank Battaglia 617 918-1362

From: Rick Kowalski < rkowalski@aeiconsultants.com>

Sent: Wednesday, November 14, 2018 4:26 PM

To: Tisa, Kimberly; Battaglia, Frank; jeff.crawford@dem.ri.gov

Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting

Subject: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

Dear Kim, Frank and Jeff:

BASF has been diligently pursing achievement of the PCB cleanup goals on this Site in accordance with the Final Corrective Measures Implementation Work Plan (CMI WP), dated April 30, 2018 and which was approved on June 19, 2018. However, due to the site-specific conditions encountered, BASF is seeking approval for alteration of the CMI WP for specific limited areas on the Site as presented in the attached document. The three areas include: 1) an area of the floodway adjacent to TP-5, 2) a northeastern section of the floodway, and 3) an excavation area outside the floodway located on the northcentral portion of the site.

Please let us know if you have any questions. Thanks for your attention to this matter.

Richard G. Kowalski, CPG, LSP, CHMM Senior Hydrogeologist

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c. 508.951.3673 f. 857.233.5531 www.aeiconsultants.com [aeiconsultants.com]

Aaron Ting

From: Battaglia, Frank <battaglia.frank@epa.gov>

Sent: Tuesday, October 23, 2018 6:11 PM

To: Rick Kowalski; Tisa, Kimberly; jeff.crawford@dem.ri.gov

Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting; Wainberg, Daniel; Battaglia, Frank

Subject: RE: Cranston - TP-5 Area Excavation Progress - APPROVAL to backfill

Attachments: View of Site from RR Bridge.docx; TP-5 Area Excavation Photo 10-10-18 (003).docx; TP-5 Excavation

Cross-Section 10-15-18.pdf; TP-5 Excavation_Post Excavation Sample Locations_10-17-2018.pdf

Follow Up Flag: Follow up Flag Status: Completed

Rick, I spoke with Chuck Horbert in the RIDEM Wetlands program, Kim Tisa and Jeff Crawford and we are all in agreement that the concrete structure, as shown in the attached photos, that you encountered along the river bank that is impeding the removal of some PCB contaminated soil at the 6 foot depth is part of the sheet pile retaining wall for the river bank and it should not be disturbed or damaged. Since this work is being conducted under a PCB Risk-Based Disposal Approval (PCB Approval) and the concentration of PCBs remaining in that area, as listed at the bottom of this e-mail string, is less than 13ppm, there should be no additional risk to human health or the environment by leaving the remaining soils in place and backfilling with clean soil and, therefore, you can begin backfilling the area. EPA will need to modify the PCB Approval to account for this slightly higher concentration of PCBs to remain at depth at this location and we will get back to you if we need any more information. In addition, the ELUR should clearly identify the area and depth where concentrations of PCBs will exceed the 1ppm target and the closure report should include photo documentation, detailed figures and lab analytical results. Please contact me or Kim Tisa if you have any questions.

Sincerely,

Frank Battaglia 617 918-1362

From: Rick Kowalski [mailto:rkowalski@aeiconsultants.com]

Sent: Wednesday, October 17, 2018 5:18 PM

To: Battaglia, Frank <battaglia.frank@epa.gov>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; jeff.crawford@dem.ri.gov **Cc:** Joseph F Guarnaccia <joseph.guarnaccia@basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting
<a href="mailto:<a href

Subject: RE: Cranston - TP-5 Area Excavation Progress

Frank: Yes, just confirming our phone call we just finished. The steel horizontal bars anchored to the concrete wall extending out to the sheet piles can be clearly seen in the photo of the excavation I provided. We will wait to backfill this excavation until we have your approval. Thanks,

Richard G. Kowalski, CPG, LSP, CHMM Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor Boston, MA 02109

c. 508.951.3673 f. 857.233.5531 www.aeiconsultants.com From: Battaglia, Frank < bent: Wednesday, October 17, 2018 5:00 PM

To: Rick Kowalski < rkowalski@aeiconsultants.com; Tisa, Kimberly < Tisa.Kimberly@epa.gov; jeff.crawford@dem.ri.gov
Cc: Joseph F Guarnaccia joseph.guarnaccia@basf.com; <a href="mailto:Stephen Graham <a href="mailto:Stephen Graham <a href="mailto:Stephen Graham <a href="mailto:Stephen Graham Tisa.Kimberly@epa.gov; jeff.crawford@dem.ri.gov
Cc: Joseph F Guarnaccia joseph.guarnaccia@basf.com; <a href="mailto:Stephen Graham Stephen Graham joseph.guarnaccia@basf.com; Aaron Ting

<a ting@aeiconsultants.com>; Wainberg, Daniel < Wainberg.Daniel@epa.gov>

Subject: Re: Cranston - TP-5 Area Excavation Progress

Rick, if the concrete wall is restraining the sheet pile wall which holds the river bank in place, then we do not want to remove it since it is a critical support structure for the river bank. Any idea if that is the case?

Frank Battaglia

617 918-1362

From: Rick Kowalski < rkowalski@aeiconsultants.com >

Sent: Wednesday, October 17, 2018 3:59 PM

To: Battaglia, Frank; Tisa, Kimberly; jeff.crawford@dem.ri.gov

Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting; Wainberg, Daniel

Subject: RE: Cranston - TP-5 Area Excavation Progress

Ok, thanks. Please note that maybe "cofferdam" is the wrong terminology for the sheet pile wall along the edge of the river that is definitely still in place from the bridge, up the river almost all the way to the Safety Kleen property. See attached photo which shows the sheet pile wall as seen from the bridge. Thanks,

Richard G. Kowalski, CPG, LSP, CHMM Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor Boston, MA 02109

c. 508.951.3673 f. 857.233.5531 www.aeiconsultants.com

From: Battaglia, Frank < battaglia.frank@epa.gov >

Sent: Wednesday, October 17, 2018 3:28 PM

To: Rick Kowalski < rkowalski@aeiconsultants.com>; Tisa, Kimberly < Tisa.Kimberly@epa.gov>; jeff.crawford@dem.ri.gov

Cc: Joseph F Guarnaccia < <u>ioseph.guarnaccia@basf.com</u>>; Stephen Graham < <u>sgraham@aeiconsultants.com</u>>;

Aaron Ting ating@aeiconsultants.com; Wainberg, Daniel Wainberg, Daniel@epa.gov

Subject: Re: Cranston - TP-5 Area Excavation Progress

Rick, Kim and I will discuss this and get back to you tomorrow. I believe the cofferdam was removed many years ago so the concrete structure may not be a critical structure. I am not sure of the exact location of this wall but it could interfere with the ozone reactive barrier during the GW remediation.

Joe/Rick, any thoughts on whether the wall could impact the GW remediation? Let's discuss this tomorrow afternoon if possible.

Frank Battaglia

617 918-1362

From: Rick Kowalski < rkowalski@aeiconsultants.com >

Sent: Wednesday, October 17, 2018 1:49 PM

To: Tisa, Kimberly; Battaglia, Frank; jeff.crawford@dem.ri.gov

Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting **Subject:** FW: Cranston - TP-5 Area Excavation Progress

Kim, Jeff and Frank:

We have encountered an area along the river in the floodway (one edge of the TP-5 area excavation) where we have encountered a concrete wall that appears to be a tie-back for the cofferdam wall along the river. Attached is a photo of the excavation which shows this structure. Note that the fence along the river is to the left in this photo.

It does not appear to be possible to excavate further (deeper than the existing 6 ft or wider than the existing sidewall) without risking damage to this structure and/or the cofferdam. However, we have not achieved the <1 ppm goal for this area. The locations of these samples are shown on plan view and in a cross-section on the attached figures. Therefore, BASF is requesting your approval to leave these remaining soils in place. The existing data for this area is as follows:

Bottom Samples

B-797 @ 6 ft = 1.5 ppm

B-807 @ 6 ft = 2.5 ppm

B-813 @ 6 ft = 1.3 ppm

B-801 @ 6 ft = 0.7 ppm

Sidewall Samples

SW-569 @ 5-6 ft = 12.8 ppm

SW-570 @ 0-4 ft = 1.3 ppm

SW-574 @ 0-4 ft = 2.6 ppm

The results for the other sidewall samples along this sidewall (SW-571, 572, 573, 574 and 568) were all <1 ppm. Please note that the water table is at a depth of approximately 3.5 ft below grade in this area.

Please let us know if you approve as soon as possible (the excavation remains open), or if you have any comments or questions. We appreciate your attention to this matter. Thanks.

Richard G. Kowalski, CPG, LSP, CHMM Senior Hydrogeologist

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Tel: 857.350.3519

May 13, 2019

Mr. Frank Battaglia USEPA RCRA Corrective Action 5 Post Office Square, Suite 100 Boston, MA 02109-3912 Mr. Jeffrey Crawford RI DEM Office of Waste Management 235 Promenade Street Providence, RI 02908

Re: Changes to CMI Work Plan

Former Ciba-Geigy Facility Lot 1102, 180 Mill Street Cranston, Rhode Island

Dear Frank and Jeff:

As of January 4, 2019, BASF completed the removal of PCB-impacted soils and the installation of a partial protective clean soil cover that includes the required sub-grade material in accordance with the Final Corrective Measures Implementation Work Plan (CMI WP), final dated April 30, 2018, which was approved by EPA on June 19, 2018 (liner material where remaining PCB concentrations exceed 10 ppm, and geocomposite over all remaining PCB soil impacts > 1 ppm), and a uniform one foot of clean soil, seeded and maintained to date. The one-foot soil cover was placed and maintained to provide a protective cover until weather conditions conducive to finalizing the soil cover and vegetation support are realized. Remaining field work includes final clean soil cover installation to required protectiveness metrics (material thickness) and associated contouring and vegetation planting. These items are planned to be implemented immediately after approval of this request for CMI WP modification with associated Attachments. Specifically, two considered minor changes in the approved CMI Work Plan are now proposed to better position a portion of the covered area to potentially be modified as a parking area (at present only a conceptual possibility) in accordance with the ELUR as contemplated in the CMI WP, and to be recorded with the property deed.

Requested Change No. 1: Alter clean soil cover contouring and vegetation plan

BASF proposes to modify the soil cover contouring and vegetation plan to support the potential future use of a portion of the property as a parking lot, specifically that portion that is beyond the 200-foot setback from the river. This potential future use is supported by the contouring and vegetation plan provided in drawings RC-7 and RL-1 through 4. The plan includes the following changes

- Vegetation: The area beyond the 200' river setback will be maintained as an open field and planted with a wildflower mix, instead of the originally conceived upland habitat vegetation.
- Contouring: The area beyond the 200' setback will have a uniform grade, and the following alterations are proposed to accommodate surface water runoff control requirements associated with this design and potential parking area re-design (see drawing RC-7).
 - o Stormwater retention basins have been moved to the periphery of the new open field.

In the case that the open field is redesigned to support a parking area and assuming an impervious surface, stormwater flows from this area will be directed to the south toward several stormwater retention areas or towards lined tree wells which would be positioned in the central and peripheral portions of the property. Conceptually, stormwater runoff would follow the final grades depicted on drawing RC-7. Note that any property redevelopment beyond what is presented here will, at a minimum, be constrained by the ELUR as contemplated in the CMI WP, and to be recorded with the property deed.

Requested Change No. 2: Modify clean soil cover design to support stormwater retention areas

To support the proposed contour plan and surface water runoff controls, it is proposed to alter the cover associated with the stormwater retention areas to consist of 6-inches of crushed stone laid over 6-inches of imported compliant soil, instead of 24-inches of compliant soil. This modification will avoid the need to import considerable compliant fill material to otherwise provide the design slopes. This modification is consistent with the CMI WP, Section 4.2.2, which specifies the option of installing a 1 ft soil cover (as described above) in the retention areas in the event that a 24-inch soil cover could not be physically constructed. This approach also remains consistent with the approved flood storage volume specified in the FEMA-approved Conditional Letter of Map Revision (CLOMR) issued to BASF on September 24, 2018 (Case#: 18-01-1205R).

For any questions, please do not hesitate to call. Thank you.

Sincerely,

AEI Consultants

Richard G. Kowalski, CPG, LSP, CHMM

Men S. lavale

Senior Hydrogeologist

Attachment

C: Joseph Guarnaccia, BASF

Aaron Ting

From: Aaron Ting

Sent: Friday, January 24, 2020 9:05 AM

To: Aaron Ting

Subject: FW: [EXTERNAL]: RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification -

EPA Conditional Approval

From: Battaglia, Frank < battaglia.frank@epa.gov >

Sent: Saturday, August 3, 2019 10:29 AM

To: joseph (CIBA) guarnaccia < joseph.guarnaccia@basf.com>

Cc: Jeffrey P. Crawford (jeff.crawford@dem.ri.gov) < jeff.crawford@dem.ri.gov>; Tisa, Kimberly

<<u>Tisa.Kimberly@epa.gov</u>>; Rick Kowalski <<u>rkowalski@aeiconsultants.com</u>>; Battaglia, Frank <<u>battaglia.frank@epa.gov</u>>

Subject: FW: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification - EPA

Conditional Approval

Joe:

Kim Tisa, Jeff Crawford and I have reviewed BASFs June 3, 2019 response to EPAs May 20, 2019 e-mailed comments regarding BASFs May 13, 2019 Corrective Measures Implementation Work Plan modification request. As we discussed on July 18, 2019, the EPA and the RIDEM Office of Waste Management need further clarification on several items. Some of these may have already been addressed in the revised Wetlands Permit issued to BASF on July 24, 2019 by the RIDEM Office of Water Resources. The following are the rest of our questions:

- Will BASF still utilize the 2-foot soil cover in the area outside of the 200 foot riverbank wetland that may be converted to a parking lot in the future?
- What type of soil will be used as cover material and will it be compacted?
- Are the bottoms of the stormwater retention basins impermeable in areas where PCBs remaining in soil are above 10 mg/kg?
- How will these retention basins allow for percolation of water?
- Will the 6 inches of compliant soil and 6 inches of crushed stone be compacted in the retention basin?
- How will BASF prevent crushed stone from penetrating the impermeable membrane in the retention basins?

In addition, EPA needs a detailed figure large enough to illustrate where the dead-man that supports the bulkhead along the riverbank is located and that also includes the sampling points & sample IDs that identify the locations where contaminated soils remain above the 1 mg/kg clean up level. These locations were approved by the EPA and the RIDEM in previous e-mail communications due to the difficultly in removing contaminated soil in these areas and EPA needs to formally amend the PCB approval to include these locations.

EPA is conditionally approving the May 13, 2019 CMI Modification request under the condition that the questions in this e-mail are addressed to EPAs satisfaction. Please contact me if you have any questions.

Sincerely,

Frank Battaglia, RCRA Facility Manager 617 918-1362

From: Rick Kowalski < rkowalski@aeiconsultants.com>

Sent: Monday, June 03, 2019 12:17 PM

To: Battaglia, Frank < battaglia.frank@epa.gov>; Crawford, Jeffrey (DEM) < jeff.crawford@dem.ri.gov>; joseph (CIBA) guarnaccia < joseph.guarnaccia@basf.com>

 $\textbf{Cc:} \ \ \textbf{Barbara Hicks} < \underline{\textbf{barbara.hicks@partners.basf.com}} >; \ \textbf{Stephen Graham} < \underline{\textbf{sgraham@aeiconsultants.com}} >; \ \textbf{Aaron Ting}$

<ating@aeiconsultants.com>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; kelly.owens.dem.ri.gov

<kelly.owens@dem.ri.gov>; Antonio, Joseph (DEM) <joseph.antonio@dem.ri.gov>; Pisani, Nicholas (DEM)

<nicholas.pisani@dem.ri.gov>; Horbert, Chuck (DEM) <chuck.horbert@dem.ri.gov>

Subject: RE: [EXTERNAL]: RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification

Frank and Jeff: Attached is a letter which addresses your concerns in your May 20 email. Please note that the FEMA letters (one for Cranston panel and one for Warwick panel) are presented as separate documents since their protection level wouldn't allow us to attach them to our letter. Please let us know if you have any questions. Thanks,

Richard G. Kowalski, CPG, LSP, CHMM Senior Hydrogeologist

AEI Consultants

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c. 508.951.3673 f. 857.233.5531 www.aeiconsultants.com

From: Battaglia, Frank < battaglia.frank@epa.gov >

Sent: Monday, June 3, 2019 10:39 AM

To: Crawford, Jeffrey (DEM) < <u>jeff.crawford@dem.ri.gov</u>>; Rick Kowalski < <u>rkowalski@aeiconsultants.com</u>>; joseph (CIBA) guarnaccia < <u>joseph.guarnaccia@basf.com</u>>

Cc: Barbara Hicks < barbara.hicks@partners.basf.com >; Stephen Graham < sgraham@aeiconsultants.com >; Aaron Ting

<ating@aeiconsultants.com>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; kelly.owens.dem.ri.gov

< kelly.owens@dem.ri.gov >; Battaglia, Frank < battaglia.frank@epa.gov >; Antonio, Joseph (DEM)

<joseph.antonio@dem.ri.gov>; Pisani, Nicholas (DEM) <nicholas.pisani@dem.ri.gov>; Horbert, Chuck (DEM)

<chuck.horbert@dem.ri.gov>

Subject: RE: [EXTERNAL]: RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification

Jeff, I just received an e-mail from Joe that says we will receive a submittal today and if we need a meeting Joe will be available. I'll send you the e-mail.

Frank

From: Crawford, Jeffrey (DEM) < jeff.crawford@dem.ri.gov>

Sent: Monday, June 03, 2019 10:22 AM

To: Battaglia, Frank < battaglia.frank@epa.gov>; Rick Kowalski < rkowalski@aeiconsultants.com); joseph (CIBA)

guarnaccia < joseph.guarnaccia@basf.com >

Cc: Barbara Hicks <barbara.hicks@partners.basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting

<a ting@aeiconsultants.com; Tisa, Kimberly Tisa, Kimberly@epa.gov; kelly.owens.dem.ri.gov

<<u>kelly.owens@dem.ri.gov</u>>; Antonio, Joseph (DEM) <<u>ioseph.antonio@dem.ri.gov</u>>; Pisani, Nicholas (DEM)

<nicholas.pisani@dem.ri.gov>; Horbert, Chuck (DEM) <chuck.horbert@dem.ri.gov>

Subject: RE: [EXTERNAL]: RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification

All-

There was a tentative meeting for 1:30pm on the DEM calendar for tomorrow June 4th. Since we did not receive anything or hear from anyone since the May 20th, the **tentative meeting is cancelled**. If you would like to re-schedule a

meeting for next week to discuss EPA and DEMs concerns as outlined in the May 20th email, there are some times available for next week. Please contact Joseph Antonio in the DEM Office of Customer & Technical Assistance so that he may coordinate a meeting.

Thanks Jeff

From: Battaglia, Frank <battaglia.frank@epa.gov>

Sent: Monday, May 20, 2019 7:49 PM

To: Rick Kowalski < <u>rkowalski@aeiconsultants.com</u>>; Crawford, Jeffrey (DEM) < <u>jeff.crawford@dem.ri.gov</u>>; joseph (CIBA) guarnaccia < <u>joseph.guarnaccia@basf.com</u>>

Cc: Barbara Hicks < barbara.hicks@partners.basf.com >; Stephen Graham < sgraham@aeiconsultants.com >; Aaron Ting < ating@aeiconsultants.com >; Tisa, Kimberly < Tisa.Kimberly@epa.gov >; Owens, Kelly (DEM) < kelly.owens@dem.ri.gov >; Battaglia, Frank < battaglia.frank@epa.gov >

Subject: [EXTERNAL]: RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification

Joe and Rick,

EPA and RIDEM were able to review your request for minor alterations to the approved final soil cover design and need some additional information and have several questions for your consideration. We need a separate figure that shows the original plan with all contouring. We need a separate figure that overlays the remaining PCB concentrations on the final grading plan (RC-7) and a separate figure that overlays the permeable and impermeable membranes on that same plan (RC-7). We need to understand why large trees with deep roots will be planted on the perimeter of the property and whether these trees will affect the cover. We need to know why the proposed change in grading will not impact storm water runoff during heavy rain events. We need a copy of the FEMA approval with all its requirements. We need a figure that illustrates where the potential parking area would be located and assurance that it would not impact the cover. Some approved language would need to be included in the ELUR/deed notice and O&M plan. We would need the RIDEM wetlands program to review and approve these alterations with respect to wetlands issues while EPA would approve the alterations based on human health protection issues and cover integrity issues. You need to check with the RIDEM wetlands program to see if you need a minor modification to the existing wetlands permit.

As Jeff said in an earlier e-mail, the submittal was a bit confusing with the parking lot future use included but EPA now needs to know whether a parking area would impact the cover and whether this can be mitigated.

Also, we have considered having a meeting at RIDEM on Tuesday June 4th around 1:00 to discuss all this with wetlands, waste management and EPA RCRA and TSCA personnel. This may not be necessary if we get more clarification on the possible impacts of these changes. Call me if you have any questions.

Frank Battaglia 617 918-1362

From: Rick Kowalski < rkowalski@aeiconsultants.com >

Sent: Monday, May 13, 2019 4:55 PM

To: Battaglia, Frank <battaglia.frank@epa.gov>; Crawford, Jeffrey (DEM) <jeff.crawford@dem.ri.gov>

Cc: Joseph F Guarnaccia < <u>ioseph.guarnaccia@basf.com</u>>; Barbara Hicks < <u>barbara.hicks@partners.basf.com</u>>; Stephen

Graham < sgraham@aeiconsultants.com >; Aaron Ting < ating@aeiconsultants.com >

Subject: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification

Frank and Jeff: Attached please find a request for approval to make some minor alterations to the approved final soil cover design, in compliance with the CMI Work Plan and FEMA approval. Please let us know if you have any questions. Thanks,

Richard G. Kowalski, CPG, LSP, CHMM

Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor Boston, MA 02109

c. 508.951.3673

f. <u>857.233.5531</u>

www.aeiconsultants.com [aeiconsultants.com]

APPENDIX B

Daily Project Progress Reports



DAILY PROJECT REPORT

Project:	BASF, Lot 1102 180 Mill Street		Submitted By: Aaron C. Ting Signatures					AE	
		ston, RI					Consultan	ts	
	Ciari	ston, rd	Date:	8/2//2018	5		_		
	ar si	2.5.46		Daily					
	Weat	ther: Sunny		Precipitation:	0"		Temp:		
PERSONNEL	EQU	IPMENT			_			(Hi - low)	-
Contractor	No.			Owner/Represe	entative	: N/A			
	_1	Superintendent	SES	, , , ,					
	_1	Foremen	SES						
	_	H&S/QA Officer		AEI Personnel:	Aaron '	Ting			1
	4	Operators	SES			rebaum			1
	_ 3	Laborers	SES			t Medaglio			1
		Other Trades (Surveyor)							
SubContractor	No.	Company/Firm		Visitors On Site	: N/A				
3	_								
				1					
	12	Total Personnel On Site		1					
MAJOR EQUI	PMEN	П:				FOI	UIPMENT	MATERIALS RECE	TVFD:
		ocat 289D skid steer, CAT 3210	C/322 excavators				DIFFICIENT	PIATERIALS RECE	TAED:
)-yard metal recycling containe							
Walter Committee of the		dump truck, 20-cy dump trailer							
		s, 2-100 yd rail cars							
hoe ram									
WORK COMP	LETE	D:							
Approximately, rail transport. AEI set up and stockpiles and staked orange mil poly. Conducted a w SES setup temporary tempo	3, 417 5, 350 ost ex 171.5 calibrishmous eekly poorary EE ab FETY 6 of contains	(2' depth); (3' depth), cavation samples for Dexsil and cubic yards of Type 2B soils wated perimeter dust monitors, unded by haybales at the end offence. SES used a higher street soil erosion and sediment continuous fencing around 7'excavation and out potential ACM (waterproof	No dust monitors obsort the workday. SES magth tarp to cover the rol plan inspection. Note that of day. mastic) on concrete.	erved action levi lanaging stockpi 2B soils on Lot 2 o issues noted.	els exce les and 2682 du	2 to 2682 f eeding duri surrounding to the re	or tempora ing today's ing deeper e ebar and oth	iry stockpiling and full work. SES covered excavations (>3') with her debris puncturing ting.	h
SES/AEL condu SWP/PTP for to	cted d	laily H&S tailgate meeting to re liscussed and issues raised.	wiew work scope and	safety precaution	ns/JSAs	associated	d with safe	work practices. See	SES
		/RESOLUTIONS:							-
N/A	NGES	RESOLUTIONS:							
DISCUSSION	S/CL	ENT DIRECTION:							
N/A									

STRATEGIC ENVIRONMENTAL SERVICES, INC.

362 Putnam Hill Road Sutton, Massachusetts 01590 Office: (508) 757.7782

Office: (508) 757.7782 Fax: (508) 363.2346 www.strategic-es.com



DAILY WORKSHEET

Date: 8/27/18 Project Number: 78-0315							
MONDAY							4
CLIENT / SITE INFORMAT	ION						
Name: BASE							
Address: 180 MILL							
CRANSTON	-						
Contact: AARON (A	EI)						
PROJECTS NOTES							
HELD HYSMEETING	/REUE	WS	au	W/A	EI/	CONT. E	EXC. EFFORTS @ CELL 408-418 DOWN
TO GO/HEAVY DEBRI	SANDB	ROW	NDu	PATER	200	SO/EXC.	CELLS 416-406+413-418 DOWNTO 20/
DED HAMMER IN EXCA	WATION	s lot	TERE	NEE	ED/	BEGAN	HAMMER EXC. IN CELL 374-375 DOX 60
							EXPILE IN LOT 2682 W/ TARRS/SITE
VISIT W/B, MADDOCK	NOTICE	DM	ASTI	CIN	SOME	EXCAVAT	TIONS/KS+MT PULLED SAMPLES FOR LAB ANALY
YTRANS APRY, 171.5 YDS TO STOCKPILE.							
LABOR						MATERIA	ALS / EQUIPMENT / TOOLS
Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description
R. DOUGHERTY	SOP		0630				PPE Level: A B C D-MOP.
J. SZPILA	OP		1			2	SERVICE VEH.
K. SWEENET	OP					1	SITE TRAILER/RESTREAM/SINK
M. JAMROS	FT					1	GENERATOR
D. BERGERON	FT)	CONEX BOX
B. ROE	OP					2	EXCAVATORS (3214/322L) HAMMER
5, HALL	FT		1			1	SKID STEER (289D)
M. AYOTE	DR		1	1530		1	LOADER (966H)
SUBCONTRACTORS					= 1	1	ROLOFF TRUCK
						2	ROLLOFF CANS (409 NER) 280637 R4R
						1	DUMPTRUCK (UR10558256)
						1 CA	6 MILPOLT
						3EA	GMIL POLY BAGS
						10 EA.	CHKBOOTS
						5EA.	FIRE HOSE 1.5 1/50 W/NOZZLE + METER
						7EA.	HYDRATION.
						12EA.	TYYEK (WHITE)
WEATHER OBSERVATION	IS						
SUNNY 90°S					-	Project Mana	ager's Signature:
						Client's Sign	nature:
	1					Cicio Signature.	

Project:
BASF Facility
Cranston, RI
Date (8/21) MON

DAILY SAFE WORK FORM No. 16

SES, Sutton, MA (Page <u>I</u> of <u>6</u>)

Servicing or Ma	aintenance W	ork Description		
		lementation Project		
		e) 8/27 0630		
Location of 18	80 Mill Street,	Cranston, RI		
Work				
		vices, Inc. (SES)		
Primary/Lead Co				
Contact Person:	RYAN DO	CUGITERY		
Contact phone #	(508)5	19-2565		
Health and Safe	ety (H&S) Pla	n (HASP) Signatures		
briefing. All person required <u>daily</u> , and read, understood,	nnel participating las otherwise de and will observe	in the project must receive initi	al Health and Safety Orientati	rior to entry into the site, and/or daily H&S ion. Thereafter, a tailgate safety meeting is ning below, an individual certifies that he has e-Task Planning Form.
Health and Safe				
Date		tendee (Print)	Company	Initials
8/27	RYAND	OUGHERTY	SES	Œ
8/27	Zoh	~ Spila	SEC	216
8127	KENTN	SWEENEN	SES	15
8/27	MILE	JAMIOS	SES	mh
827	1) Lennis	Belogen	SES	W. T.
8/27	23 12012	. ,	581	1/3/2
8/27	Remit	reduction	AFI	Ry
827	Joseph	Drebour	AEL	90
8127	Acuron		AEI	ACT
8/27	Stepho	noe Hall	SES	
8127	Bu d	laddiek	SES	Rol
8/24	MIKE	Neste.	288	ul
v, t	70	74		
	_			
Visitor Log				
comply with Health	n and Safety Plan	n requirements. If the visitor representation represents the second representation in the representation in th	resents a regulatory agency c	are required to sign the visitor log and oncerned with site health and safety issues,
Name of Visitor		Company Name	Date of Visit	Signature
				-

Project: BASF Facility Cranston, RI Date (PAT)

DAILY SAFE WORK FORM

SES (Page 2 of 6)

Type	of Equi	ipment/Vehicles/Motorized Equipment				
		ervice Trailer	1	Roll-off Tractor Truck		
	xcavat	7-3		Roll-off containers		
-	oader	S10		Dump Truck/Triaxle		
T	rack D		1	Dump Trailers		
		eer Loader	1	Pickup Utility Trucks		
	rac Ta		1	Sump Pump		
	eneral		Trench Box			
N	Vater B		1	NaOH Storage Tank		
	awzail		i i	Other (list)		
	MIT LUII		-	Other (not)		
This w	ork al	so requires the use of the permits or doc	ume	ents checked below		
		T-SPECIFIC HASP				
		JT, TAG-OUT PERMIT				
		SK PLANNING FORM				
		ED SPACE ENTRY PERMIT				
		(LIST)				
		Destant and the second second				
Antici	pated	Project Risks and Hazards Identification	Ide	entify the source/s used and include necessary specific		
inform	ation (S	See Daily Pre-Task Plan for day-specific info	orma	ation)		
Used	N/A	Source		Specific Risk or Hazard that needs to be addressed		
X		Pre-work Inspection of the work site		See SES HASP		
X		MSDS review / includes any 'new' chemica	als	MSDS Sheets Provided in HASP		
	X	Crane Operations				
	X	Elevated Work				
X		Environmental Conditions		See SES HASP		
X		Heavy Powered Mobile Equipment Use		Excavators to load soil into trucks, truck traffic		
	X	Language / Communication Difficulties				
X		Materials to be used		See Pre-Task Plan		
	X	Overhead Work / Rigging				
	X	Special Equipment to be used				
X		Trenching / Excavation		See SES HASP		
	X	Utilities System tie-in / restrictions				
X		Other Risks or Hazards		PCB/VOC-contaminated soils; Sodium Persulfate		
		Project Required Precautions & Protective				
		See Daily Pre-Task Plan for day-specific info	orm			
Need	N/A	Area		Specific measures that are required		
X	v	Access & Egress Plans (People & Equipm	nen	t) To be developed on site with SES work crew		
	X	Barricades needed				
	X	BASF equipment / materials to be used				
	X	Electrical safety equipment required				
**	X	Elevator use				
X		Emergency Equipment		See SES HASP		
X		Emergency Plans / Emergency Responde	er	See SES HASP		
v	X	Fall protection		C OFC HADD		
X	· ·	First Aid / Medical Treatment provisions		See SES HASP		
	X	HOT WORK Procedure requirements				
	X	HVAC System requirements				
	X	LINE-BREAKING procedure requirements	S			
v	X	Scaffolds / decking		C CEC HACE		
X	v	Temporary electrical power		See SES HASP		
V	X	Temporary Utilities services		C CEC HACE		
X	1	Trench / Excavation Boxes		See SES HASP		

Project:
BASF Facility
Cranston, RI
Date (8/21)

DAILY SAFE WORK FORM

SES (Page <u>3</u> of <u>6</u>)

	E GRI	rsonal Protective Equipment (PPE) Identify the so			ler Knowledge Prior SWP			
YES	NO	ITEM	YES	NO	Item			
Χ		Hardhat (either) ☐ Fiberglass ☒ Plastic		X	Rain Suit			
X	- 11	Safety Glasses, ANZI-rated, side shields		X	Chemical Suit Jacket Pants			
	X	Goggles		X	Personal Fall Protection Equipment			
	X	Faceshield	X		Gloves			
X		Hearing Protection ⊠ Plugs ☐ Muffs	X		Long sleeve shirt and steel toed boots with steel shank			
	X	Respirator	X		Boots ☐ Rubber ☒ Other			
	X	Dust Mask		X	Welding Protection			
	X	Fire Retardant Electrical Clothing		X	Retrieval System for Confined Space			
X		Eyewash Station	X		Mobile phone or radios			
X		Tyvek Suits	X		Insect repellent, sunscreen			
		Other PPE (list)	X		High-visibility, reflective vest			
Traini	na Rec	uirements						
Need	N/A	Area						
*	X	BASF Safety Orientation (if required)						
X	-	MSDS Reviews						
X		Review of precautions listed above per SES HAS	SP					
X		Review of required PPE						
		Other training (specify) –						
		S (op sout)						

Project: BASF Facility Cranston, RI Pate (%27)

DAILY SAFE WORK FORM

SES (Page <u>4</u> of <u>6</u>)

STRATEGIC ENVIRONMENTAL	PROJECT / JOB / TASK (Description):	LOCATION: 180 Mill Street,	DATE 8/27
PRE-TASK PLAN	BASF Cranston/CMI Implementation SES SUPERVISOR:	Cranston, RI	1001
(PTP)	RYAN DOUGHERTY		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

	Task 1 - Permitting
11	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
X X	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
X.	Task 4 – Transportation and Disposal of Contaminated Material
2	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
3	Task 6 - Demobilization

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10
	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6
Ø	3,4,5,6	Job Zone Control	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs
	3,4,5,6	Heat	NA□ Low□ Medium⊠ High□	B4 Heat: All JSAs
	3,4,5,6	Cold	NA□ Low□ Medium⊠ High□	B5 Cold; All JSAs
	1,3,4,5,6	Severe Weather	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs
Ø	3,4,5,6	Walking/Working Surfaces	NA Low Medium High	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
区	4,5,6	Noise	NA□ Low□ Medium⊠ High□	B8 Noise: All JSA's
×	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9
	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
×	4,5,6	Overhead Hazards	NA□ Low⊠ Medium□ High□	B15 Overhead Hazards: JSA 2,5,6
×	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA
×	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5

Project: BASF Facility Cranston, RI つate(を向われ)

DAILY SAFE WORK FORM

SES (Page <u>≲</u> of <u>6</u>)

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
XI.	5,6	Trenching/Excavation	NA⊠ Low Medium High	B19 Trenching/Excavation:JSA 4,5,6,8
M	1,3,4,5,6	Vehicle use	NA□ Low⊠ Medium□ High□	B20 Vehicle Use: All JSA
	2,3	Work near/on water	NA⊠ Low Medium High	B21 Work Near/On Water: JSA
	4,5	Elevated heights (<4ft)	NA□ Low⊠ Medium□ High□	B22 Working from Heights (<4 feet)
	4,5	Elevated heights (>4ft)	NA□ Low⊠ Medium□ High□	B23 Working from Heights (>4 feet)
×	5,6	Overhead/underground utilities	NA□ Low□ Medium⊠ High□	B24 Overhead/Underground Utilities: JSA 1,3,4
Ø	4,5,6	Powered hand tools	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9
X	4,5,6	Electrically powered equipment	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9
	4,5,6	Cutting devices/tools	NA□ Low□ Medium⊠ High□	B26 Cutting Devices/Tools; JSA 9
Ø	4,5	Drums, cylinders, containers	NA□ Low⊠ Medium□ High□	B1 Chemical: JSA 4
×	3,4,5,6	Material handling, ergonomics	NA□ Low□ Medium⊠ High□	B29 Material Handling/Ergonomics: JSA 2,6,7,9
×	3,5,6	Poisonous/irritating plants	NA□ Low⊠ Medium□ High□	B32 Plants and Animals: All JSAs
×	4,5,6	Insects/rodents/snakes	NA□ Low⊠ Medium□ High□	B32 Plants and Animals; All JSAs
Q	3,5,6	Ticks, mosquitos	NA□ Low⊠ Medium□ High□	B32 Poisonous Plants, Animals, and Insects; All JSA
	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety; All JSAs
	Note:A single hazard evaluated as the ove		Tasks. In this case, use the highest	Severity ranking of the tasks

×	4,5,6	Insects/rodents/snakes	NA☐ Low☑ Medium☐ High☐	B32 Plants and Animals; All JSAs
Q	3,5,6	Ticks, mosquitos	NA□ Low⊠ Medium□ High□	B32 Poisonous Plants, Animals, and Insects; All JSA
	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety; All JSAs
		azard may be listed under severa e overall ranking.	l Tasks. In this case, use the highes	st Severity ranking of the tasks
Descripti	on of Any Additional	Activities, And Associated Hea	Ith and Safety Risks and Protectiv	e Procedures/Equipment:
				Page 5 of 6
				• • • • • • • • • • • • • • • • • • • •

DAILY SAFE WORK FORM	SES (Page <u>6</u> of <u>6</u>)
	DAILT SAFE WORK FORIN

SESC Plan Inspection Report

			pject Information				
Name				- 100			
		THE REAL PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME	Former Ciba-Geign	y Facility			
Location		180 Mill St, Cranston, RI (Plat 4, LOF 1102)					
DEM Perr	mit No.	18-0048/R	1R101724				
Site Own	J	joseph, quarna ociapbast.					
Site Oper		Zyan Dougherty	908-579-2565	Email rdaugherty@strategic-es.c			
		Inspe	ection Information				
Inspector	Namo	garon C. Ting	Phone 978-577-7138	ating Raeiconsultants.			
Inspection	n Date	3/27/18	Start/End Time	1330-1400			
Inspection	n Type Veekly 🔲 Pre-sto	rm event During a					
			torm event Post-storm eventher Information	nt Other			
Last Rain		1100	and information				
Dat		uration (hrs):	Approximate Rainfall (in):	_			
Rain Gaug	ge Location & Sour	ce:					
Weather a	t time of this inspe	ction:					
		Sunay 850F					
Check star	tement that applies	then sign and date be	low:				
determine	designated Inspect d that maintenance	tor, certify that this sit	te has been inspected as require s are not required at this time.	d by regulation and I have			
☐ I, as the	designated Inspec	tor, certify that this sit	e has been inspected as require	d by regulation and I have			
	ction report.	ne site requires correc	ctive actions. The required corre	ctive actions are noted within			
	Delet Manage						
Inspector:	Print Name	Signature		Date			
1. 6	Harry Tina			8/27/18			
	icionic ackinowiednie	es mar all recommende	re, the receipt of this SESC Plan ed corrective actions must be co				
of all such	COLLOCK & CCHOLLS	must be made in this i	nspection report per applicable	regulations.			
Operator:		Signature	~	Date			
L'acardi.	FYAN DOUGHER	46	3 1 1 1	8/27/18			

com

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

1		THE SESC PLAN TABLES Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please
	Construction Site exit includ decon. pad	RIDOT Std Specs RI Soil Brosion and Sed. control be	Mayes □No	see photo	detail action required)
3	Project-wide including material	Penmeter - compost filter socks (R) or 9.1.0 Stockpiles - halfbales	ØYes □No	seephobily	
	Project-wide including material stockpiles	BDOT Std Spec-204, 2 BI SESC Handbook Water for dust control/cover Stockpiles PIDOT Std Spec BISESC Handbook			
4	Adjacent roads	Roads adjacent to construction site 6hall be clean at the end of each day	ASYes □No		
	Project-wide	Pickup construction trash/delanis	ØYes □No		
6	Project-wide	Spill prevention / Spill containment measures	ØYes □No		
1			□Yes □No		
1			□Yes □No		

General Site Issues

Below are some general site issues that should be assessed during inspections. Please customize this list as needed for conditions at the site.

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	AYes ON		and morado rodation/station/
2	Are appropriate limits of disturbance (LOD) established?	ØYes □No □N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	□Yes □No		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	□Yes □No		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	□Yes □No		
6	Were all exposed soils seeded by October 15 th ?	☐Yes ☐No		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	□Yes □No		
8	In instances where adequate vegetative stabilization was not established by November 15th, have non-vegetative erosion control measures must be employed?	□Yes □No		
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	□Yes □No		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	□Yes □No		
11	Has the operator cleaned and maintained inlet protection measures when needed?	□Yes □No		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	Yes ON)	

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	mats, etc.) at all temporary and permanent discharge points?	□Yes □N		and monde location/station)
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	□Yes □N	0	
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	□Yes □Ne	0	
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	ØYes □No	see photolog	
17	requirements in the RI SESC Handbook?	ØYes □No	, 1	
18	areas, infiltration basins, etc.)?	□Yes □No		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	□Yes □No		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	□Yes □No		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	□Yes □No		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	□Yes □No		
23	Are all chemicals being managed in accordance with Appendix J of the RISESC Handbook and current best management practices?	□Yes □No Ø N/A		
24	Has the site operator taken steps to prohibit the following pollutant discharges on the site?			
a	Contaminated groundwater.	⊠Yes □No □ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	Yes ONG)	una monda location/station)
С	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	□Yes □No		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	Yes INC		
е	Soaps or solvents used in vehicle and equipment washing.	MYes □No □ N/A		
f	Toxic or hazardous substances from a spill or other release.	⊠Yes □No		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	⊅Yes □No □ N/A	see photolog	
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	□Yes □No ⊈□ N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	⊠Yes □No □ N/A		
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	ØYes □No □ N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	⊈Yes □No □ N/A	see protulog	
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	ØYes □No □ N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	□Yes □No ☑ N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	□Yes □No ⊠ N/A		phase of prijed
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	QYes □No □ N/A		

Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
exposed to stormwater?			
Are stockpiles located within the limits of disturbance?	ØYes □No □ N/A	see proting	
Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	ÆYes □No □ N/A		
Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	□Yes □No ⊠LN/A		
Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	ØŶes □No □ N/A		
Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	⊠Yes □No □ N/A	See Proteins	
Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	⊠Yes □No □ N/A		
(Other)			

Photos:

Photo #: 1	Station: North Site
	Description: Decontamination pad located on Lot 1102

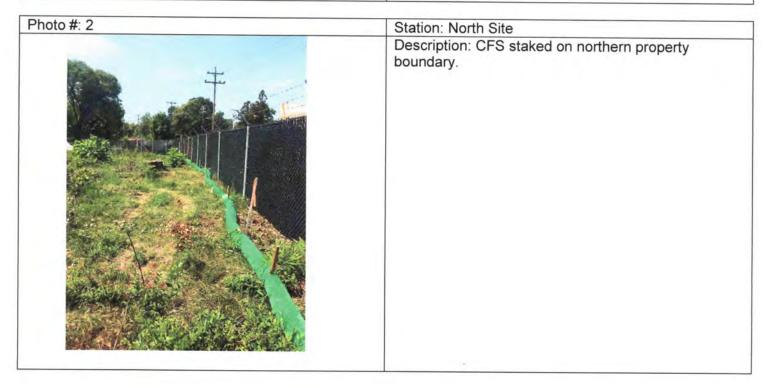


Photo #: 3



Station: West Site

Description: Construction access road to Mill Street from Lot 1102.

Photo #: 4



Station: North Site

Description: Temporary soil stockpile management area.

Photo #: 5



Station: South Site

Description: Staked silt fence on south east side of

Site.

Photo #: 6



Station: South Site

Description: CFS located on south side of Site.

BASF 180 Mill Street, Lot 1102 Cranston, RI

Date	Name	Company Name	Time In	Time out
8/27	RYAN DOUGHERTY	SES	0630	1615
8/27	Jehn Sepila	SES	0630	15:30
3/27	KEVIN SWEENEY	SES	0630	1600
3/27	MikeJamras	SES	0630	1500
8/27	Dennes Bergen	SES	0830	14102
8/27	BAVER	5125	66:30	15.70
8/27	Robert Medaglia	AFI	Ø€:3 C	15:45
8/27	Joseph Diekun	AEI	0630	15:43
8/27	Mitte Aget	Sus	6630	1500
8/27	Aaron Ting	AET	0630	1615
8/27	stephense Hall	SES	0630	1530
2/27	Bas Holdrey	SES	215	1600

DAILY PROJECT REPORT

Project:		F, Lot 1102 Mill Street	Submitted By: Aaron C. Ting Signature: Consultants					
		ston, RI	Date:	8/28/2018	9	Consu	litants	
	Cidii	ston, rd	Date.	0/20/2010				
	Weat	ther: Sunny		Daily Precipitation:	0"	Temp: 95-75		
PERSONNEL	/EOU	IPMENT				(Hi - low)		
Contractor	No.			Owner/Represe	entative: N/A			
		Superintendent					7	
	1	Foremen	SES					
		H&S/QA Officer		AEI Personnel:	Aaron Ting	15	1	
	4	Operators	SES		Joe Drebaum		1	
	1	Laborers	SES		Robert Medaglio	1	1	
		Other Trades (Surveyor)						
SubContractor	No.	Company/Firm		Visitors On Site	:: N/A			
	_							
	9	Total Personnel On Site						
MAJOR FOUR	DME	AIT.			FO!	ITOMENT (MATERIAL)	C DECETVED	
2 support truc		bcat 289D skid steer, CAT 3210	C/322 excavators		EQI	UIPMENT/MATERIALS	S KECEIVED	
		0-yard metal recycling containe						
		dump truck, 20-cy dump trailer	-					
		ns, 2-100 yd rail cars						
hoe ram								
WORK COMP	LETE	D:						
was demolished AEI collected Approximately rail transport. AEI set up and SES used wate managing stod 2B soils on Lo	post e (23. AC1 d caliber to c ckpiles t 2682	for (3' depth). from excavations were comingled emo material comingled with disexcavation samples for Dexsil an complex country to the country of the count	sposal soils and adder d laboratory analysis. were excavated and to Elevated dust readin SES covered stockpile ations (>3') with stak oris puncturing the 6-	d to stockpile. ransported from gs observed tod es and surround ed orange snow mil poly.	Lot 1102 to 2682 ay were attributed ed by haybales at fence. SES used	2 for temporary stockpilir d to high moisture conte the end of the workday.	ng and future ent in the air. . SES	
HEALTH & SA	AFETY	(:						
AEI Signatur SES/AEI condi	re ucted	es's Safe Work Form/Pre-Task F tent of SES's HASP." daily H&S tailgate meeting to re discussed and issues raised.	-					
		S/RESOLUTIONS:						
N/A	NUE	J RESOLUTIONS:						
DISCUSSION	NS/CI	IENT DIRECTION:		A REAL PROPERTY				
N/A	-0/01	- Parisonaviri						

STRATEGIC ENVIRONMENTAL SERVICES, INC. 362 Putnam Hill Road

Sutton, Massachusetts 01590 Office: (508) 757.7782 Fax: (508) 363.2346 www.strategic-es.com





DAILY WORKSHEET ENVIRONMENTAL SERVICES									
Date: 8/28/18					Project N	Number: 18-0315			
TUESDAY									
CLIENT / SITE INFORMATI	ION								
Name: BASF									
Address: 180 MILL 5	it.								
CRANSTON,	RI								
Contact: PARON (A	EI)								
PROJECTS NOTES									
HELD HIS MEETI	NG/	REU	EWE	ED SO	JUZ	WAEL	CONT. CONCRETE REMOVAL EFFORTS		
							ELL 351-359-ENCOUNTERED MAN HOLE		
							ON TO 2'O. REMOVED CONCRETE OCELL		
							ND LOCKED UP SITE		
IC CONTROL AND A CO	TIES	10.1	2,274	IXI		H Tale			
LABOR						MATERIALS / EQUIPMENT / TOOLS			
Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Quantity Item / Description		
R. DOUGHERTY	SUP		0630	1500			PPE Level: A B C D-MOD		
M. JAMPOS	FT					2	SERVICE VEH,		
J. SZPILA	OP					-1	SITE TRAILER/RESTREOM/SINK		
D. BERGIERON	OP	_				1	GENERATOR		
B. ROE	OP					1	CONEX BOX		
S. LAJOIE	DR		1	1		2	EXCAVATORS (321C/322L) HAMMER		
						-	SKID STEER (2890)		
-				9		1	LOADER (966H)		
SUBCONTRACTORS		-				1	ROLL OFF TRUCK		
UNITED - RESTROOM	CUEAN	DING	V			2	ROLL OFF CANS (409 NEW 280637 R4R)		
MJ WEEHAN - FUELING							DUMP TRUCK (UR 10558256)		
						2 EA	6 MIL POLT ROCK		
						12 EA.	CHR' BOOTS/TYVEK (WHITE)		
					6EA	FIRE HOSE 1.5"X SOLY NOTZLE + METER			
						GEA	HYDRATION		
						2	TRASH DUMPSTERS 44DEA.		
						1	100 X 100 TARP (BLUE 8MIL)		
WEATHER OBSERVATIONS						`\$			
HOT! MID 90°S					Project Manager's Signature:				
						Client's Sign	Client's Signature:		

Project:
BASF Facility
Cranston, RI
Pate (8/26) TX

DAILY SAFE WORK FORM No.

SES, Sutton, MA (Page <u>1</u> of <u>6</u>)

Servicing or Mai				
		mentation Project		
Start Date / Time	: (Date) (Time)	8/28 0/30		
	0 Mill Street, C	ranston, RI		
Work				
Strategic Enviro				
Primary/Lead Co	mpany Name:	SES		
Contact Person:	KYAN DOUGH	erty		
Contact phone #	1508)574-24	565		
Sign-off sheet attest briefing. All personr required <u>daily</u> , and a read, understood, a	ting that the HAS nel participating i as otherwise deer nd will observe th	n the project must receive initia	I Health and Safety Orientation th and Safety Officer. By signi	or to entry into the site, and/or daily H&S n. Thereafter, a tailgate safety meeting is ng below, an individual certifies that he has Task Planning Form.
Health and Safe				
Date	Name of Atte		Company	Initials
8/28	RYAN DO		SES	(a)
8/28	MIKE J	0	385	my
8/28	John	Ap. In	\$ 55	AS
31/28	Demis	Merserun	Stes	1/13
3/28	BRIAN	10015	561	132
8/24	Rener	meding 1/3	AEI	oly
8/28	Haron	Ting.	AFI	ACT
8,28	Josef	Drehadn	ALT	42
8/28	Scott (above	SES	24/2
comply with Health	and Safety Plan	urnish their own personal prote requirements. If the visitor repression immediately notify HSC.	ctive equipment. All visitors a esents a regulatory agency co	are required to sign the visitor log and encerned with site health and safety issues,
Name of Visitor (Company Name	Date of Visit	Signature
				X-

Project: BASF Facility Cranston, RI Pate () ()

DAILY SAFE WORK FORM

SES (Page <u>2</u> of <u>6</u>)

Type o	of Equi	pment/Vehicles/Motorized Equipment				
		rvice Trailer	Roll-off Tractor Truck			
	xcavat	- Control of the cont	Roll-off containers			
	oader	X	Dump Truck/Triaxle			
	rack D		Dump Trailers			
		er Loader	Pickup Utility Trucks			
	rac Tai		Sump Pump			
	Generat		Trench Box			
	Vater B		NaOH Storage Tank			
	Sawzail		Other (list)			
	avvzan		Other (list)			
This w	ork ale	so requires the use of the permits or docu	ments checked helow			
		T-SPECIFIC HASP	Herits Checked Delow			
		JT, TAG-OUT PERMIT				
		K PLANNING FORM				
		ED SPACE ENTRY PERMIT				
		(LIST)				
	TILITO	(LIO1)				
Antici	nated	Project Risks and Hazards Identification	dentify the source/s used and include necessary specific			
		See Daily Pre-Task Plan for day-specific inform				
Used		Source	Specific Risk or Hazard that needs to be addressed			
X	T. A. P. A.	Pre-work Inspection of the work site	See SES HASP			
X		MSDS review / includes any 'new' chemicals				
**	Х	Crane Operations	mobo officets i fovided in fraoi			
	X	Elevated Work				
X	^	Environmental Conditions	See SES HASP			
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic			
^	X	Language / Communication Difficulties	Excavators to load son into tracks, track traine			
Х	^	Materials to be used	See Pre-Task Plan			
	Х	Overhead Work / Rigging	occ i ic ruok i un			
	X	Special Equipment to be used				
X		Trenching / Excavation	See SES HASP			
^	X	Utilities System tie-in / restrictions	OCC OLO TIAGI			
X	^	Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate			
	nated	Project Required Precautions & Protective				
		See Daily Pre-Task Plan for day-specific info				
Need	N/A	Area	Specific measures that are required			
X		Access & Egress Plans (People & Equipme				
	X	Barricades needed				
	X	BASF equipment / materials to be used				
	X	Electrical safety equipment required				
	X	Elevator use				
X	-	Emergency Equipment	See SES HASP			
X	+	Emergency Plans / Emergency Responder				
^	X	Fall protection	OCC DED TIADI			
X	^	First Aid / Medical Treatment provisions	See SES HASP			
^	X	HOT WORK Procedure requirements	GGG GLG TIAGE			
	X	HVAC System requirements				
_	X	LINE-BREAKING procedure requirements				
	X	Scaffolds / decking				
X	^	Temporary electrical power	See SES HASP			
^	X	Temporary Utilities services	OCC OLO TIAGI			
Х	^	Trench / Excavation Boxes	See SES HASP			
^		Helicit / Excavation Doxes	JCC JLJ HAJI			

Project: BASF Facility Cranston, RI Date (8/25)

DAILY SAFE WORK FORM

SES (Page <u>3</u> of <u>6</u>)

		Other Requirements							
Requi	red Pe	rsonal Protective Equipment (PPE) Identify the se	ourc	e/s us	ed and	check the appropriate boxes			
	PE GRI					er Knowledge Prior SWP			
YES	NO	ITEM		YES	NO	Item			
X		Hardhat (either) ☐ Fiberglass ☒ Plastic			X	Rain Suit			
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit Jacket Pants			
	X	Goggles			X	Personal Fall Protection Equipment			
	X	Faceshield		X		Gloves			
X		Hearing Protection ☐ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank			
	X	Respirator		X		Boots ☐ Rubber ☒ Other			
	X	Dust Mask			Х	Welding Protection			
	X	Fire Retardant Electrical Clothing			Х	Retrieval System for Confined Spaces			
Х		Eyewash Station		X		Mobile phone or radios			
X		Tyvek Suits		X		Insect repellent, sunscreen			
		Other PPE (list)		X		High-visibility, reflective vest			
	-								
		quirements							
Need	N/A	Area							
4/	X	BASF Safety Orientation (if required)							
X		MSDS Reviews							
X		Review of precautions listed above per SES HAS	SP_						
X		Review of required PPE							
		Other training (specify) –							

Project: BASF Facility Cranston, RI Date (8/28)

DAILY SAFE WORK FORM

SES (Page <u>4</u> of <u>6</u>)

STRATEGIC	PROJECT / JOB / TASK	LOCATION:	DATE 8/28/18
ENVIRONMENTAL	(Description):	180 Mill Street,	
SERVICES	BASF Cranston/CMI Implementation	Cranston, RI	
PRE-TASK PLAN (PTP)	SES SUPERVISOR: RYAN DOUGHERTY	,	

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task L	List (Check off AND Circle today's activities)
	Task 1 - Permitting
	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
X X	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
Ø	Task 4 – Transportation and Disposal of Contaminated Material
	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
	Task 6 - Demobilization

Tasks, Poter	ntial Hazards, and R	ecommended Actions or	Procedures	
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
Ø	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10
Ø	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6
Ø	3,4,5,6	Job Zone Control	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs
Ø	3,4,5,6	Heat	NA Low Medium High	B4 Heat: All JSAs
	3,4,5,6	Cold	NA□ Low□ Medium⊠ High□	B5 Cold; All JSAs
	1,3,4,5,6	Severe Weather	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs
	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
	4,5,6	Noise	NA□ Low□ Medium⊠ High□	B8 Noise: All JSA's
Ø	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9
	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
	4,5,6	Overhead Hazards	NA□ Low⊠ Medium□ High□	B15 Overhead Hazards: JSA 2,5,6
Ø	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA
A	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5

Project: BASF Facility Cranston, RI Pate (8/38)

DAILY SAFE WORK FORM

SES (Page <u>≤</u> of <u>८</u>)

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
×	5,6	Trenching/Excavation	NA⊠ Low Medium High	B19 Trenching/Excavation:JSA 4,5,6,8
×	1,3,4,5,6	Vehicle use	NA□ Low⊠ Medium□ High□	B20 Vehicle Use: All JSA
	2,3	Work near/on water	NA⊠ Low Medium High	B21 Work Near/On Water: JSA
	4,5	Elevated heights (<4ft)	NA□ Low⊠ Medium□ High□	B22 Working from Heights (<4 feet)
	4,5	Elevated heights (>4ft)	NA□ Low⊠ Medium□ High□	B23 Working from Heights (>4 feet)
风	5,6	Overhead/underground utilities	NA□ Low□ Medium⊠ High□	B24 Overhead/Underground Utilities: JSA 1,3,4
	4,5,6	Powered hand tools	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9
d .	4,5,6	Electrically powered equipment	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9
	4,5,6	Cutting devices/tools	NA□ Low□ Medium⊠ High□	B26 Cutting Devices/Tools; JSA 9
図	4,5	Drums, cylinders, containers	NA□ Low⊠ Medium□ High□	B1 Chemical: JSA 4
Ø	3,4,5,6	Material handling, ergonomics	NA□ Low□ Medium⊠ High□	B29 Material Handling/Ergonomics: JSA 2,6,7,9
风	3,5,6	Poisonous/irritating plants	NA□ Low⊠ Medium□ High□	B32 Plants and Animals: All JSAs
×	4,5,6	Insects/rodents/snakes	NA□ Low⊠ Medium□ High□	B32 Plants and Animals; All JSAs
図	3,5,6	Ticks, mosquitos	NA□ Low⊠ Medium□ High□	B32 Poisonous Plants, Animals, and Insects; All JSA
	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety; All JSAs
	Note: A single hazard evaluated as the over		Tasks. In this case, use the highest	Severity ranking of the tasks
Description	of Any Additional Activ	vities, And Associated Healt	h and Safety Risks and Protective	e Procedures/Equipment:

Project: BASF Facility Cranston, RI Date (8/26)	DAILY SAFE WORK FORM	SES (Page <u></u> of <u></u>

BASF 180 Mill Street, Lot 1102 Cranston, RI

Date	Name	Company Name	Time In	Time out
8/28	RTAN DOUGHELTY	SES	0630	15:00
8/28	Mike JAMPOS	SE5	0630	1500
8/28	John Sepi A	SES	0030	1500
8/28	Jennis Bergen	SES	0630	1500
8/28	BAR ROTZ	SRS	06:30	15:00
8748	Noort Medy 10	ABI	GC:30	15:15
8/28	Haven Ting	AEC	0430	1515
8/78	Joseph Drehum	AEI	0 6:30	15:15
8/28	Scottlajoie	SES	0900	1455
-1.26	Th	MJ meetan	1345	1415
4	/			

DAILY PROJECT REPORT

Project:	BASF, Lot 1102 180 Mill Street		Submitted By: Aaron C. Tipg				
			Signature:	_	50-1	Consulta	ints
	Cran	ston, RI	Date:	8/29/2018			
				Daily			
	Wea	ther: Sunny		Precipitation:	0"	Temp: 102-75	
				1		(Hi - low)	
PERSONNEL		IPMENT		Marie Tiles			
Contractor	No.			Owner/Represe	entative: N/A		
		Superintendent		-			
4		Foremen	SES	-			
		H&S/QA Officer	SES	AEI Personnel:	Rick Kowalski		11
		Operators	SES	4	Joe Drebaum		1
	3	Laborers	SES	4	Robert Medaglio		11
		Other Trades (Surveyor)		-			
SubContractor	No.	Company/Firm		Visitors On Site	:: N/A		
	13	Total Personnel On Site				·	
		Total reisonner on Site					
MAJOR EQUI					EQU	JIPMENT/MATERIALS RE	CEIVED:
		bcat 289D skid steer, CAT 3210			4,000 gallon baff	fle and 10,000 gallon frac ta	nk
CAT 996H Loa	der, 2	0-yard metal recycling contained	er,				
United Rentals	5 cy	dump truck, 20-cy dump trailer	•				
	ng bin	is, 2-100 yd rail cars					
hoe ram							
WORK COMP		vations to remove soils designa	The second second			THE PERSON NAMED IN	
AEI collected programmer AEI collected programmer Approximately rail transport. AEI set up and dust emissions deeper excava and other debi	oved from to site site site site site site site site	rom excavations were comingle in SES repaired stockpile area accavation samples for Dexsil and cubic yards of Type 2B soils with a stated perimeter dust monitors. It is covered stockpiles and surrou (>3') with staked orange snow accurring the 6-mil poly.	on Lot 2682, i.e., hay and laboratory analysis. ere excavated and train No elevated dust real anded by haybales at the fence. SES used a high	nsported from Li dings at perimet he end of the wi gher strength ta	of 1102 to 2682 for er were observed. orkday. SES mana rp to cover the 2B	or temporary stockpiling and SES used water to control aging stockpiles and surroun soils on Lot 2682 due to the	future futigive ding e rebar
AEI has review	red SE	S's Safe Work Form/Pre-Task F	Plan for today, and ve	rifies, by signing	below, that these	documents comply with the	2
procedures and	d cont	ent of SES's HASP."					
AEI Signatur	e /	Ju CIN					
SES/AEI condu	icted o	daily H&S tailgate meeting to rediscussed and issues raised.	eview work scope and	safety precautio	ns/JSAs associate	d with safe work practices.	See SES
N/A	NGES	S/RESOLUTIONS:					1000
.,,,,							
DISCUSSION	IS/CI	IENT DIRECTION:					
N/A	, 02	THE PARTICULARY OF THE PARTICULA					

STRATEGIC ENVIRONMENTAL SERVICES, INC.

362 Putnam Hill Road Sutton, Massachusetts 01590 Office: (508) 757.7782

Office: (508) 757.7782 Fax: (508) 363.2346 www.strategic-es.com



DAILY WORKSHEET

Date: 8/29/18	Date: 8/29/18 Project Number: 18-0315				
WEDNESDAY.					
CLIENT / SITE INFORMAT	ION				
Name: BASF					
Address: 180 MILL:	ST.				
CRANSTON	RI				
Contact: RCK (AET))				
PROJECTS NOTES					
HELD HIS MEETING!	REVIEW	DED SOW WAEI	/ CONT.	REMOUND CONCRETE FROM EXCAUATIONS	
			1	CK DELIKER OF (Q) FRACTANKS-REJECTED	
		p.		ELIVERY OF LINERS WAS RETECTED - SHIFTER	
				WER SETERATED STUMPS FROM BRUSH PILE	
	-			-82 (SHEETING+BALES)/COVERED STOCKPILES	
DE-CON'EXCAVATOR B				7	
LABOR				ALS / EQUIPMENT / TOOLS	
Name	Position	Travel On-site Off-Site Travel	Quantity	Item / Description	
R. DOUGHERTT	SUP	0715 1400		PPE Level: A B C D MOD.	
M. JAMROS	FT	1515	-2	SERVICE VEH.	
J. SZPILA	OP	15/5	1	SITE TRAILER/RESTROOM/SINK	
A. HAYES	FT	1515	1	GENERATOR	
B, ROE	OP	1515	1	CONEX BOX	
K. SWEENET	OP	1415	a	EXCAVATORS (321C/322L) HAMMER	
S. HALL	FT	1515		SKID STEER (2890)	
M. AYOTE	DR.	0800 1300	1	LOADER (966H)	
SUBCONTRACTORS DIE	ERGERA	NOP 1015 1315	1	ROLL OFF TRUCK	
LRT-DELIVERY OF FR	ACTAN	KS-RETECTEDIOE	2	ROLL OFF CANS (409 NER / SEKESTEUR)	
UPS - LINERS WERE P	EJECTET	- FELL OVER INTERCE	J	FRACTANKS (LRT) (SWOY/10WOSC)	
COULD NOT REMOVE, 2			1	DUMPTRUCK (UR 10558256)	
			2	TRASH DUMPSTERS 41DEA.	
			9 EA.	HYDRATION	
				FIRE HOSE 1.5'X50'U/NOZLE + METER	
			10 EA	TYVEK SUITS (WHITE)	
			10 EA	CHK BOOTS	
WEATHER OBSERVATION	IS				
HOT I MID 90'S			Project Man	ager's Signature:	
			Client's Signature:		

Project: BASF Facility Cranston, RI Pate (8/29) WED

DAILY SAFE WORK FORM No.10

SES, Sutton, MA (Page <u></u> of <u></u>

Servicing or Maintenance Work Description					
		ementation Project			
Start Date / Time:					
	Mill Street, C				
Work		•			
Strategic Enviro	nmental Serv	rices, Inc. (SES)			
Primary/Lead Cor					
Contact Person:	RYAN DO	WHERTY			
Contact phone #	(508) 579-	2565			
		(HASP) Signatures	d and a second by the lands day of a	in the set of the set	
briefing. All personn	nel participating	in the project must receive init	ial Health and Safety Orientation	for to entry into the site, and/or daily H&S on. Thereafter, a tailgate safety meeting is	
required daily, and a	s otherwise dee	med necessary by the Site Hea	alth and Safety Officer. By sign	ing below, an individual certifies that he has	
		he contents of this HASP and	Daily Safe Work Form with Pre-	-Task Planning Form.	
Health and Safet Date		andos (Drint)	Commonia	la triale	
8/29	Name of Atte		Company	Initials (P0)	
2/20		JAMPOS	5ES,	100	
1813		yw Haves	58	mt At	
1/19	13. 73	E HAYES	565		
9638	(212	J SWEENEY	232	25	
8/28	Stophe		5725	(F)	
8/29	Rick	Kong/ski	AEI	Thin	
8779	RANN	Medialia	AKI	1-20	
2/29	Joseph	1 Drebama	KEI	25	
8/20	0.100	n 520: m	SES	135	
8:27	Jenny	Bergeri	5É5_	05	
5.09	MAC	i Plyby	505	ETC10Cf	
	. ,,,,,	,			
Visitor Los					
Visitor Log	at visitors must f	furnish their own personal pro	tective equipment. All visitors	are required to sign the visitor log and	
comply with Health	and Safety Plan	requirements. If the visitor rep	resents a regulatory agency co	oncerned with site health and safety issues,	
		l also immediately notify HSC.		Ciamatona	
Name of Visitor (Print)	Company Name	Date of Visit	Signature	
_					

Project: BASF Facility Cranston, RI Date (8/29)

DAILY SAFE WORK FORM

_							
		pment/Vehicles/Motorized Equipment	,				
		rvice Trailer		Roll-off Tractor Truck			
	xcavat		_	Roll-off containers			
	oader		4	Dump Truck/Triaxle			
	rack Do		Dump Trailers				
		er Loader	Pickup Utility Trucks				
	rac Tar			Sump Pump			
	enerat	- 1/10		Trench Box			
	later B	uffalo		NaOH Storage Tank			
	awzail			Other (list)			
		so requires the use of the permits or doc	cum	ents checked below			
		T-SPECIFIC HASP					
		JT, TAG-OUT PERMIT					
		K PLANNING FORM					
		ED SPACE ENTRY PERMIT					
∐ ОТ	HERS	(LIST)					
				entify the source/s used and include necessary specific			
		See Daily Pre-Task Plan for day-specific info	orm				
Used	N/A	Source		Specific Risk or Hazard that needs to be addressed			
Х		Pre-work Inspection of the work site		See SES HASP			
X		MSDS review / includes any 'new' chemic	als	MSDS Sheets Provided in HASP			
	X	Crane Operations					
	X	Elevated Work					
X		Environmental Conditions		See SES HASP			
X		Heavy Powered Mobile Equipment Use		Excavators to load soil into trucks, truck traffic			
	X	Language / Communication Difficulties					
X		Materials to be used		See Pre-Task Plan			
	Х	Overhead Work / Rigging					
	X	Special Equipment to be used					
Х		Trenching / Excavation		See SES HASP			
	X	Utilities System tie-in / restrictions					
X		Other Risks or Hazards		PCB/VOC-contaminated soils; Sodium Persulfate			
		Project Required Precautions & Protecti					
		See Daily Pre-Task Plan for day-specific in	torr				
	N/A	Area	00V4V1501	Specific measures that are required			
Х		Access & Egress Plans (People & Equip	mer	nt) To be developed on site with SES work crew			
	X	Barricades needed					
	X	BASF equipment / materials to be used					
	X	Electrical safety equipment required					
J	X	Elevator use					
X	Emergency Equipment		See SES HASP				
X		Emergency Plans / Emergency Respond	ler	See SES HASP			
	X	X Fall protection					
X		First Aid / Medical Treatment provisions		See SES HASP			
	X	HOT WORK Procedure requirements					
	X	HVAC System requirements					
	X	LINE-BREAKING procedure requiremen	ts				
	X	Scaffolds / decking		0.050.0400			
X		Temporary electrical power		See SES HASP			
	X	Temporary Utilities services					
X		Trench / Excavation Boxes		See SES HASP			

Project: BASF Facility Cranston, RI Date (원국의)

DAILY SAFE WORK FORM

SES (Page <u>ろ</u> of <u>6</u>)

		Other Requirements					
		rsonal Protective Equipment (PPE) Identify the so	our				
	E GRI						
YES					NO	Item	
X		Hardhat (either) ☐ Fiberglass ☒ Plastic			X	Rain Suit	
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit Jacket Pants	
	X	Goggles			X	Personal Fall Protection Equipment	
	X	Faceshield		X		Gloves	
X		Hearing Protection ☐ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank	
	Х	Respirator		Х		Boots Rubber Other	
	Х	Dust Mask			X	Welding Protection	
	Х	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces	
X		Eyewash Station		Х		Mobile phone or radios	
X		Tyvek Suits		Х		Insect repellent, sunscreen	
		Other PPE (list)		Х		High-visibility, reflective vest	
Traini	ng Re	quirements		Day of the			
Need	N/A	Area					
*	×	BASF Safety Orientation (if required)					
X		MSDS Reviews	_				
Х		Review of precautions listed above per SES HAS	SP.	Y A			
X		Review of required PPE					
		Other training (specify) -					
			_				
	+		_				
	+		_				
1							

Project: BASF Facility Cranston, RI ate (8/34)

DAILY SAFE WORK FORM

SES (Page 4 of 6)

STRATEGIC	PROJECT / JOB / TASK	LOCATION:	DATE,
ENVIRONMENTAL	(Description):	180 Mill Street,	8/29/18
SERVICES	BASF Cranston/CMI Implementation	Cranston, RI	0/01/10
PRE-TASK PLAN	SES SUPERVISOR:		
(PTP)	RYAN DOUGHERTY		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task Li	st (Check off AND Circle today's activities)
	Task 1 - Permitting
	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
X X	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
X	Task 4 – Transportation and Disposal of Contaminated Material
	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
	Task 6 - Demobilization

Tasks, Poter	ntial Hazards, and R	ecommended Actions or	Procedures	
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10
Ø.	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6
	3,4,5,6	Job Zone Control	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs
Ø.	3,4,5,6	Heat	NA□ Low□ Medium High Q	B4 Heat: All JSAs
	3,4,5,6	Cold	NA□ Low□ Medium⊠ High□	B5 Cold; All JSAs
Ø	1,3,4,5,6	Severe Weather	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs
\boxtimes	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
Z.	4,5,6	Noise	NA□ Low□ Medium⊠ High□	B8 Noise: All JSA's
	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9
	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
Ď	4,5,6	Overhead Hazards	NA☐ Low☑ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
X	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA
	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5

Project: BASF Facility Cranston, RI Pate (()

DAILY SAFE WORK FORM

SES (Page <u>≲</u> of <u>6</u>)

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)				
×	5,6	Trenching/Excavation	NA⊠ Low Medium Migh□	B19 Trenching/Excavation:JSA 4,5,6,8				
\triangleright	1,3,4,5,6	Vehicle use	NA□ Low⊠ Medium□ High□	B20 Vehicle Use: All JSA				
X	2,3	Work near/on water	NA 2 Low Medium ☐ High ☐	B21 Work Near/On Water: JSA				
	4,5	Elevated heights (<4ft)	NA□ Low⊠ Medium□ High□	B22 Working from Heights (<4 feet)				
	4,5	Elevated heights (>4ft)	NA□ Low⊠ Medium□ High□	B23 Working from Heights (>4 feet)				
×	5,6	Overhead/underground utilities	NA□ Low□ Medium⊠ High□	B24 Overhead/Underground Utilities: JSA 1,3,4				
	4,5,6	Powered hand tools	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9				
Tk	4,5,6	Electrically powered equipment	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9				
	4,5,6	Cutting devices/tools	NA□ Low□ Medium⊠ High□	B26 Cutting Devices/Tools; JSA 9				
Q	4,5	Drums, cylinders, containers	NA□ Low⊠ Medium□ High□	B1 Chemical: JSA 4				
	3,4,5,6	Material handling, ergonomics	NA□ Low□ Medium⊠ High□	B29 Material Handling/Ergonomics: JSA 2,6,7,9				
囟	3,5,6	Poisonous/irritating plants	NA□ Low⊠ Medium□ High□	B32 Plants and Animals: All JSAs				
Ø	4,5,6	Insects/rodents/snakes	NA□ Low⊠ Medium□ High□	B32 Plants and Animals; All JSAs				
Q	3,5,6	Ticks, mosquitos	NA□ Low⊠ Medium□ High□	B32 Poisonous Plants, Animals, and Insects; All JSA				
	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety; All JSAs				
	Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.							

Project: BASF Facility Cranston, RI Date (8/39)	DAILY SAFE WORK FORM	SES (Page <u>6</u> of <u>6</u>)

BASF 180 Mill Street, Lot 1102 Cranston, RI

Date	Name	Company Name	Time In	Time out
8/59	RYAN DOUGHERTY	SES	07/5	1400
8/29	Mike JAMPas	5 ₹ 5	0715	3:15
8/29	John Sapila	SES	0715	1500
8/24	Andrew Hayes	Ses	07:15	3:12
8/29	Brin Rott	5/25	07:15	3:15
8/29	Kerry Sheever	SE S	0715	1415
W/29	Stephanie Hall	SES	0715	1530
8/29	Rich Kowals Ki	AEI	0:200	14:55 95
8/19	Robert Medayin	AF I	0700	15:30
8/29.	Joseph Drebaum	AEI	07.00	15 30
08/29	Jour Dlech	SES	0840	0949
08/29	DEMMS Bergara	SES	1018	3/3
0.6/20	MITA Aget	Se 1	0800	- 1300

DAILY PROJECT REPORT

Project:	BASF, Lot 1102		Submitted By: Aaron C. Ting						
	180	Mill Street	Signature:	1		Consultants			
	Cran	ston, RI	Date:	8/30/2018					
	Weat	ther: Sunny		Daily Precipitation:	0"	Town: 90 67			
	wcu	aren Suriny		Precipitation:	0	Temp: 88-67 (Hi - low)			
PERSONNEL	/EQU	IPMENT							
Contractor	No.			Owner/Represe	entative: N/A				
		Superintendent							
	_1	Foremen	SES						
		H&S/QA Officer		AEI Personnel:	Aaron Ting	1			
	4	Operators	SES		Joe Drebaum	1			
	3	Laborers	SES		Robert Medaglio	1			
		Other Trades (Surveyor)							
SubContractor	No.	Company/Firm		Visitors On Site	: N/A				
	_11	Total Personnel On Site							
MAJOR EQUI	PMEN	NT:			EQUI	PMENT/MATERIALS RECEIVED:			
2 support truc	ks, Bol	bcat 289D skid steer, CAT 3210	C/322 excavators		Hay bales - S&M F				
CAT 996H Load	der, 20	0-yard metal recycling containe	r,						
United Rentals	5 cy (dump truck, 20-cy dump trailer							
2-trash/recyclin	ng bin	s, 2-100 yd rail cars							
hoe ram, 4,000	gallo	n baffle and 10,000 gallon frac	tank						
WORK COMP						emporary stockpile area on Lot			
- 339, 333, 33 352, 353, 359. Concrete remo acheive target surface and su AEI collected p Approximately, AEI set up and continued to uvehicles movine SES covered st (>3') with stak puncturing the LRT onsite to p Brush was load part of the clear	1102. Soils excavated from each excavation area were separated into distinct stockpiles. Excavation stake locations include: - 339, 333, 334, 335 (3' depth) - 352, 353, 359, 361, 360, 356 (2' depth). Concrete removed from excavations were comingled with soils. Continued using the hoe ram to break up concrete foundation walls and slabs to acheive target excavation limits/depths per plan. SES expanded temporary stockpile area for Type-2A soils by placing 20mil poly on ground surface and surrounded by hay bales AEI collected post excavation samples for Dexsil and laboratory analysis. Approximately, 74.5 cubic yards of Type 2A soils were excavated and transported to the temporary stockpile location on Lot 1102. AEI set up and calibrated perimeter dust monitors. Two dust alerts (>100 ug/m3) were observed at the northeast side of the property. SES continued to use water to control futigive dust emissions and increased watering of equipment tracking area to control dust generation when vehicles moving around property. SES covered stockpiles and surrounded by haybales at the end of the workday. SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly. LECT onsite to pump and removed water offsite. This water is not associated with the site remediation efforts (rain water) Brush was loaded into 70-cy dump trailer for transport by NER to the G. Lopes facility in Raynham, MA for reuse. The brush was generated as part of the clearing operations and not in contact with the impacted soils.								
HEALTH & SA									
nrocedures and	ed SES	S's Safe Work Form/Pre-Task P	lan for today, and verif	fies, by signing b	pelow, that these do	cuments comply with the			
procedures and	CONCE	ent of SES's HASP."							
AEI Signature	9	1/2 /les	_						
SES/AEI condu	cted d	laily H&S tailgate meeting to re	view work scope and s	safety precaution	ıs/1SAs associated w	vith safe work practices. See SES			
SWP/PTP for to	pics d	liscussed and issues raised. Tw	vo SES personnel were	sent home early	due to heat related	d issues. No medical treatment			
necessary.									
ISSUES/CHAI	NGES	/RESOLUTIONS:							
N/A									
DISCUSSION	S/CLT	ENT DIRECTION:							
N/A	- CLI	LITT DARLETTON:							

STRATEGIC ENVIRONMENTAL SERVICES, INC.

362 Putnam Hill Road Sutton, Massachusetts 01590 Office: (508) 757.7782 Fax: (508) 363.2346 www.strategic-es.com



DAILY WORKSHEET

Date: 0/30/18	ate: 0/30/18 Project Number: /8-03/5								
THURSDAY									
CLIENT / SITE INFORMATION									
Name: BASF	Name: BASF								
Address: 180 MILL	ST.								
CRANSTON	U, RI								
Contact: AAREN (AE									
PROJECTS NOTES					1				
HELD HIS MEETIN	SI/RE	VIE	JED	SOL	ع م	ACI/S	ETERATE STUMPS AND LOADED OUT BRUSH		
							WG 2A SOILS TO EXPOSE CONCRETE / DECON		
LUADER BUCKET + HAM	MER PIN	D	E-Ca	NEXC	Bock	CET IN BE	TWEEN LCATING BRUSH SCHERATING AND		
LABELING(ZA) SOIL PIL	EINIL	25	icek	PILE	CXPAN	JPED 11	ON STOCKPILE FOR (RA) SOUS DECLINED SKID		
STEER FOR DELIVERY US	E OF IN	T BAR	54/	FORK	SEX	C. TEST F	PITS IN DA SOILS FOR IDENTIFICATION OF FURTHER		
CONCRETE/OUT UPBRU	SH W/C	HAIN	J 5A4	y/PI	CKED	UPWA	ATER METER FOR LOT 2682 PROV. WATER		
LABOR						MATERIA	ALS / EQUIPMENT / TOOLS		
Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description		
R. DOUGHERTY	SUP		0630	1630			PPE Level: A B C D-Mov.		
B. ROE	OP.		1	1530		2	SERUICE VEH.		
B. SIMPSON	OP			1230		1	SITE TRAILER/RESTROOM/SINK		
A. HAYES	PT			1530		1	GENERATOR		
M. JAMROS	FT			1530	1	- 1	CONNEX BOX		
D. BERGIERON	08	N		1530	1	2	EXCAUATORS (321C/322L) HAMMER		
J. SZPILA	OP	1	15	1530	17	31	SKID STEER (2891D)		
S. HALL	FT		0700	1130		1	LOADER (966H)		
SUBCONTRACTORS						1	POLLOFF TRUCK		
(NER) DUMPTEAKER	R-LOAT	00	TBE	SHA	(Z)	2	ROLL OFF CANS (409 NEW / 280637 E4R)		
(LRT) TUMFED OUT F	RACFOR	ROFF	FSITE	DISP	conl	2	FRAC TANKS (LETSWOH/10WC5C)		
(ST M FARMS)- GO HAY						1	DUMPTRUCK (URIOSSERS)		
	1					2	TRASH DUMPSTERS (44 DEA)		
1 112						EA.	HYDRATION		
					~	6 BA	FIRE HOSE 1.5x50 W/NOTELE+METER		
						1 EA.	TYVEKSUITS		
						EA	CHK BOOTS LA LEC		
WEATHER OBSERVATION	IS								
HOT: 903						Project Mana	ager's Signature:		
						Client's Sign	nature:		
						Client's Signature:			

Project:
BASF Facility
Cranston, RI
Date (8/30)

DAILY SAFE WORK FORM No. 10

SES, Sutton, MA (Page / of 6)

Servicing or Ma	intonance W	ork Description		
		lementation Project		
Start Date / Time				
	30 Mill Street,			
Work	oo wiiii otreet,	Oranston, Ai		
VVOIR				
Strategic Enviro	onmental Ser	vices, Inc. (SES)		
Primary/Lead Co				
Contact Person:	EYAN) D	OVAHERTY		
Contact phone #	E08)57	9-2565		
oomas prioris	(000) 5.	1 2000		
Health and Safe	ety (H&S) Pla	n (HASP) Signatures	Mary Addition of the last	
Sign-off sheet attes	sting that the HA	SP has been made available and rev	iewed by the individual p	prior to entry into the site, and/or daily H&S
briefing. All person	nel participating	in the project must receive initial He	ealth and Safety Orientat	ion. Thereafter, a tailgate safety meeting is
required <u>daily</u> , and	as otherwise de	emed necessary by the Site Health a the contents of this HASP and Daily	nd Safety Officer. By sig	ning below, an individual certifies that he has
Health and Safe		the contents of this HASP and Daily	Safe Work Form with Pro	e-Task Planning Form.
Date ,		tendee (Print)	Company	Initiala
8/30		Doughterry	Company	Initials
8/30	CIAN	LOCGITOCIT	200	
	SICK-	- ICIA	1	II C
5/30	William	Simpsa	SES	6.7
4/30	direc	my tayes	ses	<i>M</i>
8/30	myse.	JAMPOS	JES	397
8/30	Jennis	Derserm	SES	100
8/30	John	Sepila	SES	35
8731	Riner	nedylio	ASI	RM_
8/30	Joseph	Drehaya	AEI	95
8/30	Acron	ling	AEF	ACT
8 30	Stephan	il ife!	500	(9 1)
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
Visitor Log				
comply with Health	at visitors must	turnish their own personal protective requirements. If the visitor represent	e equipment. All visitors	are required to sign the visitor log and concerned with site health and safety issues,
the Designated Site	Supervisor sha	all also immediately notify HSC.	no a regulatory agency c	oncerned with site health and salety issues,
Name of Visitor	(Print)	Company Name	Date of Visit	Signature
Agran Bay	dream	LAT	8/30/18	Carke
	worn	5th farms the	8 30 18	1 Alt
	leton	Alandeo	5/20/18	THE STATE OF THE S
, (- , , ,			0/3 4 . =	7
ς.				
1				

Project: BASF Facility Cranston, RI Date (8/30)

DAILY SAFE WORK FORM

SES (Page <u>∠</u> of <u>८</u>)

		ipment/Vehicles/Motorized Equipment					
\boxtimes F	ield Se	ervice Trailer	Roll-off Tractor Truck				
E B C E C C C C C C C C C C C C C C	Excavat		Roll-off containers				
X	.oader		Dump Truck/Triaxle				
	rack D	ozer	Dump Trailers				
_	Skid Ste	eer Loader 🛛	Pickup Utility Trucks				
	rac Ta	nk 🔲	Sump Pump				
	Genera		Trench Box				
$\Box \mid V$	Vater E	Buffalo	NaOH Storage Tank				
	Sawzail		Other (list)				
This v	vork al	so requires the use of the permits or docum	ents checked below				
		T-SPECIFIC HASP					
LC	OCK-O	UT, TAG-OUT PERMIT					
		SK PLANNING FORM					
		ED SPACE ENTRY PERMIT					
		(LIST)					
Antici	pated	Project Risks and Hazards Identification Id See Daily Pre-Task Plan for day-specific inform	entify the source/s used and include necessary specific				
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed				
K	14/23	Pre-work Inspection of the work site	See SES HASP				
ζ		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP				
`	Х	Crane Operations	WISDS Sheets Flovided III HASF				
	X	Elevated Work					
K	^	Environmental Conditions	See SES HASP				
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic				
^	Х	Language / Communication Difficulties	Excavators to load soil into trucks, truck trailic				
X	^	Materials to be used	See Pre-Task Plan				
	Х	Overhead Work / Rigging	See Fie-Task Fian				
	X	Special Equipment to be used					
X	^	Trenching / Excavation	See SES HASP				
	Х	Utilities System tie-in / restrictions	See SES TIASF				
X	^	Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate				
	pated	Project Required Precautions & Protective I					
addres		See Daily Pre-Task Plan for day-specific inform	nation)				
Need	N/A	Area	Specific measures that are required				
X		Access & Egress Plans (People & Equipmer	t) To be developed on site with SES work crew				
	Х	Barricades needed					
	X	BASF equipment / materials to be used					
	X	Electrical safety equipment required					
	X	Elevator use					
X		Emergency Equipment	See SES HASP				
X		Emergency Plans / Emergency Responder	See SES HASP				
	X	Fall protection					
X		First Aid / Medical Treatment provisions	See SES HASP				
	Х	HOT WORK Procedure requirements					
	Х	HVAC System requirements					
	Х	LINE-BREAKING procedure requirements					
	X	Scaffolds / decking					
Х		Temporary electrical power	See SES HASP				
	X	Temporary Utilities services					
		Trench / Excavation Boxes	See SES HASP				

Project: BASF Facility Cranston, RI Date (8/30)

DAILY SAFE WORK FORM

SES (Page <u>3</u> of <u>6</u>)

		Other Requirements					
		rsonal Protective Equipment (PPE) Identify the so					
	E GRI				er Knowledge Prior SWP		
YES	NO	ITEM	YES		Item		
X		Hardhat (either) ☐ Fiberglass ☒ Plastic		X	Rain Suit		
Х		Safety Glasses, ANZI-rated, side shields		X	Chemical Suit Jacket Pants		
	X	Goggles		X	Personal Fall Protection Equipment		
	X	Faceshield	X		Gloves		
X Hearing Protection ☐ Plugs ☐ Muffs					Long sleeve shirt and steel toed boots with steel shank		
	X	Respirator	X		Boots ☐ Rubber ☐ Other		
	X	Dust Mask		X	Welding Protection		
	X	Fire Retardant Electrical Clothing		X	Retrieval System for Confined Spaces		
X		Eyewash Station	X		Mobile phone or radios		
X		Tyvek Suits	X		Insect repellent, sunscreen		
		Other PPE (list)	X		High-visibility, reflective vest		
Traini	ng Red	quirements					
Need	N/A	Area					
*	×	BASF Safety Orientation (if required)					
X		MSDS Reviews					
X		Review of precautions listed above per SES HAS	Р				
X		Review of required PPE					
		Other training (specify) -					

Project: BASF Facility Cranston, RI ate (8/30)

DAILY SAFE WORK FORM

SES (Page <u>੫</u> of <u></u>७)

STRATEGIC	PROJECT / JOB / TASK	LOCATION:	DATE
ENVIRONMENTAL	(Description):	180 Mill Street,	8/30/18
SERVICES	BASF Cranston/CMI Implementation	Cranston, RI	0/30/10
PRE-TASK PLAN	SES SUPERVISOR:		
(PTP)	RYAN DOUGHERTY		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

ask	List (Check off AND Circle today's activities)
	Task 1 - Permitting
	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
	Task 4 – Transportation and Disposal of Contaminated Material
	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
	Task 6 - Demobilization

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)	
Ø-	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10	
Ø	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6	
Ø	3,4,5,6	Job Zone Control	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs	
⊠	3,4,5,6	Heat	NA□ Low□ Medium⊠ High□	B4 Heat: All JSAs	
	3,4,5,6	Cold	NA□ Low□ Medium⊠ High□	B5 Cold; All JSAs	
	1,3,4,5,6	Severe Weather	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs	
	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7	
Ø	4,5,6	Noise	NA□ Low□ Medium⊠ High□	B8 Noise: All JSA's	
	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9	
	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7	
\bowtie	4,5,6	Overhead Hazards	NA□ Low⊠ Medium□ High□	B15 Overhead Hazards: JSA 2,5,6	
C)XI	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA	
Ø	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5	

Project: BASF Facility Cranston, RI Date (2/30)

DAILY SAFE WORK FORM

SES (Page <u>5</u> of <u>6</u>)

Tasks, Poter	ntial Hazards, and R	ecommended Actions or	Procedures		
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)	
×	5,6	Trenching/Excavation	NA⊠ Low Medium High	B19 Trenching/Excavation:JSA 4,5,6,8	
×	1,3,4,5,6	Vehicle use	NA□ Low⊠ Medium□ High□	B20 Vehicle Use: All JSA	
	2,3	Work near/on water	NA Low Medium High	B21 Work Near/On Water: JSA	
	4,5	Elevated heights (<4ft)	NA□ Low⊠ Medium□ High□	B22 Working from Heights (<4 feet)	
	4,5	Elevated heights (>4ft)	NA□ Low⊠ Medium□ High□	B23 Working from Heights (>4 feet)	
Ø	5,6	Overhead/underground utilities	NA□ Low□ Medium⊠ High□	B24 Overhead/Underground Utilities: JSA 1,3,4	
Ø	4,5,6	Powered hand tools	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9	
J	4,5,6	Electrically powered equipment	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9	
Ø	4,5,6	Cutting devices/tools	NA□ Low□ Medium⊠ High□	B26 Cutting Devices/Tools; JSA 9	
	4,5	Drums, cylinders, containers	NA□ Low⊠ Medium□ High□	B1 Chemical: JSA 4	
Ø	3,4,5,6	Material handling, ergonomics	NA□ Low□ Medium⊠ High□	B29 Material Handling/Ergonomics: JSA 2,6,7,9	
	3,5,6	Poisonous/irritating plants	NA□ Low⊠ Medium□ High□	B32 Plants and Animals: All JSAs	
X	4,5,6	Insects/rodents/snakes	NA□ Low⊠ Medium□ High□	B32 Plants and Animals; All JSAs	
	3,5,6	Ticks, mosquitos	NA□ Low⊠ Medium□ High□	B32 Poisonous Plants, Animals, and Insects; All JSA	
	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety; All JSAs	
	Note: A single hazard evaluated as the ove		Tasks. In this case, use the highest	Severity ranking of the tasks	

	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety; All JSAs
		azard may be listed under seve e overall ranking.	ral Tasks. In this case, use the highe	st Severity ranking of the tasks
Descript	ion of Any Additional	Activities, And Associated He	ealth and Safety Risks and Protection	ve Procedures/Equipment:
·				

Project: BASF Facility Cranston, RI Pate(8/30)	DAILY SAFE WORK FORM	SES (Page <u>6</u> of <u>6</u>)

BASF 180 Mill Street, Lot 1102 Cranston, RI

Date	Name	Company Name	Time In	Time out
8/30	EYAN DOUGHERT	SES	0630	1530
7)30	BAND RUTE	501	06:30	1530
8/30	Biny Simps_	SES	0630	1730
8/3,	Andrew Hayer	Ses	0630	1530
8/30	Mike JAMIOS	SES	0630	1538
8/30	Dennis Dergeran	SES	0630	1530
8/30	John Sepila	SES	0630	1530
8/30	Robert Meday 15	AEI	0630	1545
8/30	Joseph Drebaum	AEI	06:30	1545
0130	Harry Ting	AET	0630	1530
8/30	Stylana Hall	JE5	700	1/30

DATI Y PROJECT REPORT

Project: BASF, Lot 1102 Submitted By: Aaron C. Ting						
Project.	-					
	The Control of the Co	Mill Street	Signature:			Consultants
	Crans	ston, RI	Date:	8/31/2018	0	
				Daily		
	Weat	ther: Partly Cloudy		Precipitation:	0"	Temp: 70-66
	0.1830			r r corpitation		(Hi - low)
PERSONNEL	/EQUI	IPMENT				
Contractor	No.			Owner/Represe	entative: N/A	
	3	Superintendent	SES			
	_ 1	Foremen	SES			
		H&S/QA Officer		AEI Personnel:	Aaron Ting	1
	3	Operators	SES		Joe Drebaum	1
		Laborers	SES		Robert Medaglio	1
	_	Other Trades (Surveyor)	5.5	1	Rick Kowalski	1
		one mades (saire)or)		1	KICK KOWAISKI	1
SubContractor	No	Company/Firm		Visitors On Site	N/A	
Subcontractor		Diprete (surveyor)		VISILOIS ON SILE	: N/A	
	_	Dipiete (Surveyor)		1		
	_					
		T-1-10		-		
		Total Personnel On Site				
MAJOR EQUI					EQU	JIPMENT/MATERIALS RECEIVED:
LONG CONTRACTOR OF THE PARTY OF		bcat 289D skid steer, CAT 321				
		0-yard metal recycling contain				ii
		dump truck, 20-cy dump traile	r .			
	A. 100 Sept. 100	s, 2-100 yd rail cars	OF THE STATE OF TH			
The second secon		on baffle and 10,000 gallon fra	c tank			
WORK COMP						
1102. Soils ex- 486 - 489 (3 - 329 - 332 (3' - 413, 416, 41 Concrete remandance target AEI collected Approximately stockpile locat AEI set up and control futigive property. AEI escorted s AEI/SES conditions	depth	ed from each excavation area in););); (7' depth); ord excavations were comingle vation limits/depths per plan. excavation samples for Dexsil a pubic yards of Type 2A, 43.5 cy Lot 1102 or across the street rated perimeter dust monitors emissions and increased water or to survey excavation areas, as weekly project progress meetles and surrounded by haybale ange snow fence. SES used a	were separated into dis- ed with soils. Continued and laboratory analysis. of Type 2B, and 7 cy of to the temporary stock No dust alerts were ol tring of equipment track post excavation location etting. es at the end of the wor	d using the hoe of Type 2C soils spile area on Lot beserved at the sking area to contains and other sit rkday. SES man	eram to break up co were excavated an 2682. ite perimeter monitrol dust generation be features.	temporary stockpile area on Lot locations include: oncrete foundation walls and slabs to ad transported to the temporary tors. SES continued to use water to a when vehicles moving around and surrounding deeper excavations in the rebar and other debris
HEALTH & S	AFETY	r:				
AEI has review procedures an AEI Signatur SES/AEI condi	ved SE d cont	S's Safe Work Form/Pre-Task tent of SES's HASP."				documents comply with the d with safe work practices. See SES
	271415117	S/RESOLUTIONS:				
N/A DISCUSSION		LIENT DIRECTION:				
N/A						

STRATEGIC ENVIRONMENTAL SERVICES, INC. 362 Putnam Hill Road Sutton, Massachusetts 01590 Office: (508) 757.7782

Office: (508) 757.7782 Fax: (508) 363.2346 www.strategic-es.com



DAILY WORKSHEET

Date: 8/31/18	0,00,0								
FRIDAY	FRIDAY								
CLIENT / SITE INFORMAT	TION								
Name: BASE	Name: BASE								
Address: 180 MILL S	Address: 180 MILL ST.								
CRANSTON	PI								
Contact: AARON (AE	I)								
PROJECTS NOTES									
HELD HIS MEETING	GI/REV	IEW	50	ردر در	AE	I/HELD	PROTECT PREGRESS MEETING		
							CS/GOANTITIES LISTED ON EXC, MATERIAL		
							POKEN WINDOW-REPAIRED/TOOK DELIVER		
							METER ORDERED ROCK TRUCKT		
							AMPLE JARS FROM ASS FOR WIPE SAMPLE		
							OUT / SECURED SITE FOR LONG WKND.		
LABOR							ALS / EQUIPMENT / TOOLS		
Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description		
R. DOLIGHERTY	SUP		035				PPE Level: A B C D MOD		
M. JAMBOS	FT			1530		2	SERVICE VEH.		
D. BERGERON	OP			1530			SITETRAILER/RESTROOM/SINK		
B. RDE	OP/DE			1530			GENERATOR		
J. SZPILA	OP		1	1530			CONNEXTSOX		
						2	EXCAUATORS (32K/322L)HAMMER		
							SKID STEER (28AD) WROCKS		
						1	LOADER (966H)		
SUBCONTRACTORS						1	ROLLOFF TRUCK		
FW WEBB - METER	2 FITTI	NOL	S.			2	ROLL OFF CANS (409 NET) 286637.4		
FED EX-LINERS						2	FRAC TANKS (LET 2WOH/10WOSC)		
MEEHAN FUEL							DUMPTRUCK (UR10558256)		
						2	TRACH DUMPSTERS (4YDEA)		
		h				5	HYDRATION		
						6	FIRE HOSE 1.5 "X50" W/ NOTZLE		
						40.	TTVEK SUITS		
						2	WATER METERS (PROV. WATER)		
WEATHER OBSERVATION	IS								
SUNNY 75°						Project Mana	ager's Signature:		
						Client's Sign	nature:		

Project:
BASF Facility
Cranston, RJ
Tate (8/34)

DAILY SAFE WORK FORM No._

SES, Sutton, MA (Page / of <u>(</u>)

Servicing or Ma	intenance We	ork Description		
Servicing or Ma				
		ementation Project		
Start Date / Time	0 Mill Street, 0	2 2/30 0050	T T	
Work	o Mili Street, C	Dranston, At		
VVOIK				
Strategic Enviro	nmental Sen	vices Inc (SFS)		
Primary/Lead Co				
Contact Person:	Pran Do	Aleat		
Contact phone #	ENQ 579	2545		
Contact priorie ii	(300)	2062		
Health and Safe	ty (H&S) Plan	(HASP) Signatures		
Sign-off sheet attes	ting that the HAS	SP has been made available and	d reviewed by the individual p	rior to entry into the site, and/or daily H&S
briefing. All person	nel participating	in the project must receive initi	ial Health and Safety Orientati	on. Thereafter, a tailgate safety meeting is
required <u>daily</u> , and	as otherwise dee	emed necessary by the Site Hea	alth and Safety Officer. By sign	ning below, an individual certifies that he has
Health and Safe		he contents of this HASP and I	Daily Safe Work Form with Pre	- lask Planning Form.
Date	Name of Atte	andoo (Print)	Company	Initials
8/3/	Mike Ja	endee (Filiti)	Company	A
8/31	PYALL D	OUGHERTY	SES	my
8/3/	7020	Drehann	AEIL	
\$731	Rahert	Medy 1/3	A E.I	
8131	Aan	Total	AEI	IA T
8/31	Dennis	Banesin	SES	na l
2/31	BALLY	3,50	561	m
8/31	tone	5-05 m	37-5	100
8)/3/	C W	- 160 m/str	35	3.3
0/2/	1200	Many set	OF S	Men
8/3/	62026	A b or off	355	07
0/3/	New A	Jerhan	355	810
8/31	100	Tenler	Nince to	FLT
07 - 7	7	,	Dipiere	27
	I,			
Visitor Log				
It is SES's policy that	at visitors must f	urnish their own personal prote	ective equipment. All visitors	are required to sign the visitor log and
comply with Health	and Safety Plan	requirements. If the visitor repr	esents a regulatory agency co	oncerned with site health and safety issues,
Name of Visitor (I also immediately notify HSC. Company Name	Data of Viola	S:
Ivallie of Visitor (r iiii)	Company Name	Date of Visit	Signature
40				
·				

Project: BASF Facility Cranston, RI Date (원공()

DAILY SAFE WORK FORM

SES (Page <u>&</u> of <u>\(\(\(\) \)</u>

Type o	of Equi	ipment/Vehicles/Motorized Equipment	
D. F	ield Se	ervice Trailer	Roll-off Tractor Truck
₩ E	xcavat	ors 🗓 F	Roll-off containers
™ L	oader		Dump Truck/Triaxle
	rack D	ozer 🔲 [Dump Trailers
☑ S	kid Ste		Pickup Utility Trucks
	rac Ta		Sump Pump
	eneral		French Box
	Vater B	luffalo 🔲 I	NaOH Storage Tank
	awzail		Other (list)
			<u> </u>
This w	ork al	so requires the use of the permits or docume	nts checked below
☑ PF	ROJEC	T-SPECIFIC HASP	
☐ LC	CK-OL	JT, TAG-OUT PERMIT	
		SK PLANNING FORM	
	NFINE	ED SPACE ENTRY PERMIT	
ГО	HERS	(LIST)	
Antici	pated	Project Risks and Hazards Identification Iden	ntify the source/s used and include necessary specific
inform	ation (S	See Daily Pre-Task Plan for day-specific informat	ion)
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	Х	Elevated Work	
Х		Environmental Conditions	See SES HASP
Х		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	Х	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	Х	Special Equipment to be used	
Х		Trenching / Excavation	See SES HASP
	Х	Utilities System tie-in / restrictions	
Х		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate
Antici	pated	Project Required Precautions & Protective Me	Be sure that each identified Risk or Hazard is
addres	sed (See Daily Pre-Task Plan for day-specific informa	tion)
Need	N/A	Area	Specific measures that are required
Х		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	·
	Х	BASF equipment / materials to be used	
	Х	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	Х	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	Х	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	Х	LINE-BREAKING procedure requirements	
	Х	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	Х	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP
	-		1

Project: BASF Facility Cranston, RI Date (8 3)

DAILY SAFE WORK FORM

SES (Page <u>S</u> of <u>6</u>)

		Other Requirements				
Requi	red Pe	ersonal Protective Equipment (PPE) Identify the s	our			
	PE GRI					ler Knowledge Prior SWP
YES	NO	ITEM		YES	NO	Item
X		Hardhat (either) ☐ Fiberglass ☒ Plastic			X	Rain Suit
Х		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit Jacket Pants
	X	Goggles			X	Personal Fall Protection Equipment
	X	Faceshield		Х		Gloves
Х		Hearing Protection ☐ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator		Х		Boots ☐ Rubber ☐ Other
	X	Dust Mask			Х	Welding Protection
	X	Fire Retardant Electrical Clothing			Х	Retrieval System for Confined Spaces
X		Eyewash Station		Х		Mobile phone or radios
Х		Tyvek Suits		Х		Insect repellent, sunscreen
		Other PPE (list)		Х		High-visibility, reflective vest
Traini	ng Re	quirements	П			
Need	N/A	Area				
<i>₩</i> X	X	BASF Safety Orientation (if required)				
		MSDS Reviews				
Χ		Review of precautions listed above per SES HA	SP			
X		Review of required PPE				
		Other training (specify) –				

Project:
BASF Facility
Cranston, RI
Tate (8/31)

DAILY SAFE WORK FORM

SES (Page <u>4</u> of <u>6</u>)

STRATEGIC	PROJECT / JOB / TASK	LOCATION:	DATE
ENVIRONMENTAL	(Description):	180 Mill Street,	8/31
SERVICES	BASF Cranston/CMI Implementation	Cranston, RI	0/51
PRE-TASK PLAN	SES SUPERVISOR:		
(PTP)	RYAN DOUGHERT	Τ	

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task L	ist (Check off AND Circle today's activities)
	Task 1 - Permitting
	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
X X	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
×	Task 4 – Transportation and Disposal of Contaminated Material
	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures							
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)			
	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10			
Ø	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6			
Ø	3,4,5,6	Job Zone Control	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs			
	3,4,5,6	Heat	NA□ Low□ Medium⊠ High□	B4 Heat: All JSAs			
	3,4,5,6	Cold	NA□ Low□ Medium⊠ High□	B5 Cold; All JSAs			
	1,3,4,5,6	Severe Weather	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs			
	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7			
Z	4,5,6	Noise	NA□ Low□ Medium⊠ High□	B8 Noise: All JSA's			
Ø	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9			
	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7			
⊠.	4,5,6	Overhead Hazards	NA□ Low⊠ Medium□ High□	B15 Overhead Hazards: JSA 2,5,6			
B	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA			
D k	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5			

Project: BASF Facility Cranston, RI Date (8/3\)

DAILY SAFE WORK FORM

SES (Page <u>5</u> of <u>6</u>)

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
X	5,6	Trenching/Excavation	NA⊠ Low□ Medium⊠ High□	B19 Trenching/Excavation:JSA 4,5,6,8
Ø	1,3,4,5,6	Vehicle use	NA□ Low⊠ Medium□ High□	B20 Vehicle Use: All JSA
	2,3	Work near/on water	NA⊠ Low Medium High	B21 Work Near/On Water: JSA
	4,5	Elevated heights (<4ft)	NA Low Medium High	B22 Working from Heights (<4 feet)
	4,5	Elevated heights (>4ft)	NA□ Low⊠ Medium□ High□	B23 Working from Heights (>4 feet)
	5,6	Overhead/underground utilities	NA□ Low□ Medium⊠ High□	B24 Overhead/Underground Utilities: JSA 1,3,4
	4,5,6	Powered hand tools	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9
	4,5,6	Electrically powered equipment	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9
	4,5,6	Cutting devices/tools	NA□ Low□ Medium⊠ High□	B26 Cutting Devices/Tools; JSA 9
X	4,5	Drums, cylinders, containers	NA□ Low⊠ Medium□ High□	B1 Chemical: JSA 4
	3,4,5,6	Material handling, ergonomics	NA□ Low□ Medium⊠ High□	B29 Material Handling/Ergonomics: JSA 2,6,7,9
	3,5,6	Poisonous/irritating plants	NA□ Low⊠ Medium□ High□	B32 Plants and Animals: All JSAs
Ø	4,5,6	Insects/rodents/snakes	NA□ Low⊠ Medium□ High□	B32 Plants and Animals; All JSAs
	3,5,6	Ticks, mosquitos	NA□ Low⊠ Medium□ High□	B32 Poisonous Plants, Animals, and Insects; All JSA
	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety; All JSAs
	Note: A single hazard evaluated as the over		Tasks. In this case, use the highest	Severity ranking of the tasks
Description o	f Any Additional Activ	ities, And Associated Healt	h and Safety Risks and Protective	Procedures/Equipment:

Project: BASF Facility Cranston, RI Date (8/3\)	DAILY SAFE WORK FORM	SES (Page <u>6</u> of <u>6</u>)
2		

Excavation Date:	Source Location (station, offset, etc.) Cross- Ref w/ Map:	Excavation Volume	Soil Stockpile Designation	Reuse on/off- site or Off-site	Disposal Facility	Re-Use Date
ध्या	CELL-408,407,406,418 HEAVY TEBELS 20x20x6 (2B)	41 YDS, R-2 D-1	LOT 2682 STOCKPILE			
8/27	20x20x2 (2B)	41YDS R-2 D-1	LOTAGBO STOCKPILE			
8/27	CELL-413,417,40,418 20x20x2 (2B)	464DS R-2 D-2	LOT 2682 STOCKPILE			
OJAI	CEU-374,360,350,875 <u>CONCRETE SLAB</u> 201/6013 (98)	43.5HD. D-2 (T-171.5)	LOT 2682 STOCKPILE			
8/28	CEU-374,360,350,375	43705. R-1 D-5	LOT 2682 STOCKPILE			
8/28	CELL 350,376,348,349 CONCRETE +501L 15X10X3 (DB)	12.5705, 16.45ton	/ /			
8/28	CELL 335-338 CONCRETE 16XIOX3 (2B)	8.5405. 11.451EN	11			
8/29	CELL 350, 376, 348, 549 CONCLEGE CONT. 15X10X3 (28)	3.5405. 4.970NS	. 11			
8/29	CONCRETE CONT.	35YB1 4.85	//			
	10×10×3 (2B)					

Excavation Date:	Source Location (station, offset, etc.) Cross- Ref w/ Map:	Excavation Volume	Soil Stockpile Designation	Reuse on/off- site or Off-site	Disposal Facility	Re-Use Date
8/29	CELL 329-332 CONCRETESSOL LOXIOX3 (2B)	755. 10500	11			
8/29	CONCRETE PILE (28)	308DS 40.5 TON	//			
Ju!	(28) CELL-475, 476, 469, 470, 477	14.26705. 19.2500	//			
950	(20) CELL-339,333,334,335 EXPOSE CONCRETE/LOND 20X ROX3 (2A)	4540S. 61.05 TONS	STOCKPILED IN LUTITUR (SEPERATED)			
700	CELL-352,353,359,361,360, 20x40x40x2 (2A)	29.5 YDS. 39.8 TONS	STOCKPILED IN LOT 1100 (SEPERATED)			
9/31	CELL-496489 CONE, + SOK (DXIOX3 (DA)	29 YDS. 38.75 ran	STOCKPILED LOT 1102 (SEPELATED)			
2/31	10x10x3 (28)	4.57DS. 5.87 ran	LOT DIED STOCKPILE.			
3/31	CONCRETEISAL BOXADY 7 GB	394DS 52,9 DN	LOT 2682 STOCKPILE			
¥31 C	CONCRETE + SOLS 20x20x7 (QC)	7805. 9.400	LOT 2682 STOCKALE.			

BASF 180 Mill Street, Lot 1102 Cranston, RI

Date	Name	Company Name	Time In	Time out
8/31	RYAN DOUGHERTY	SES	0630	1615
8/31	Mike Jampas	SES	0638	1530
8/31	Joseph Dreknun	AEI	06:30	15 45
8/37	Robert Medaglin	AEI	0630	1545
8/31/19	Aaron Ting	AEI	0630	1600
8-31-18	Dennis Beigein	SES	0630	1530
3/31/17	Brien Rose	5125	06:30	15:30
8/31/18	John Szp: A	SES	0630	1530
131/18	Rich Koroelski	AEI	0815	11:05
131/18	Ross Harken	SEC	0800	0900
1/31/18	Bb Madiak	SES	000	10,30
131/18	Paul Sacra Earle Tamorelleo	SES Diprete	0800	2:15

DAILY PROJECT REPORT

Project:	BASF, Lot 1102	Submitted By:	Aaron C. Ting			
	180 Mill Street	Signature	_	9		Consultants
	Cranston, RI	Date:	9/4/2018			
			Daily	Oll	T 00	74
	Weather: Sunny		Precipitation:	0-	Temp: 88	i - low)
PERSONNEL	/EQUIPMENT				(1)	1017)
Contractor	No.		Owner/Repre	sentative: N/A		
Contidecor	1 Superintendent	SES	owner/repres	Serious ver 1411		
	20 V 20 P 20 C 20 S 20 C 20 C		1			
	1 Foremen	SES				
	H&S/QA Officer		AEI Personne	and annexes armed also		1
	5 Operators	SES		Joe Drebaum		1
	1 Laborers	SES		Robert Medagli	0	1
	Other Trades (Surveyor)					
SubContractor	No. Company/Firm		Visitors On Si	te: N/A		
			1			
			1			
	11 Total Personnel On Site		1			
	11 Total religional off Site		1			
MAJOR EQUI	IDMENT.		1	EC	LITPMENT/M	ATERIALS RECEIVED:
		21C/222 aveauators			OIF PILITI	ATERIALS RECEIVED.
	ks, Bobcat 289D skid steer, CAT 3					
Stroen Land Strong	der, 20-yard metal recycling conta	10.700				
	5 5 cy dump truck, 20-cy dump tra	ller				
	ng bins, 2-100 yd rail cars					
	0 gallon baffle and 10,000 gallon f	rac tank				
WORK COME						
	excavations to remove soils desig		removed, trans	sported via 20cy	dump trailer a	nd temporarily
	Lot 2682. Excavation stake location					
	 418 (7' depth); excavated to 7'; 410 of 470-474+474-471; sweet 		nossible tolu	ane solvent soil	held in can fo	r future analytical
- Degan excava	30011 01 470 474 474 471, Sweet	strong odors at 5 depti	i, possible tolu	circ solveric son	neid in can to	r racare analytical.
SES using wat	er to control fugitive dust emission	ns.				
	, 93 cubic yards of Type 2C soils v	vere excavated and trans	ported from Lo	ot 1102 to 2682	for temporary s	stockpiling and future rail
transport.						
CEC accisted A	AEI with sample collection from de	en excavations with exca	vator			
SLS assisted P	ALT WITH Sample collection from det	ep excavations with exca	vacoi			
AEI set up and	d calibrated perimeter dust monito	rs. No dust monitors obs	served action le	evels exceeding	during today's	work. AEI conducted
workzone mor	nitoring when excavating Type 2C	soils. No elevated dust a	action levels wi	thin the workzon	ne were observ	ed. SES used water to
control fugitive	e dust emissions. SES managing st	tockpiles and surrounding	deeper excav	ations (>3') with	staked orange	e snow fence. SES used
a higher stren	gth tarp to cover the 2B soils on L	ot 2682 due to the rebar	and other deb	ris puncturing th	ie 6-mil poly.	
222	524 (2) 9563	2.22				
SES setup ten	nporary fencing around 7'excavation	on at end of day.				
CEC cont wine	sample from 5cy dump truck to la	ah				
Sc3 Selle Wipe	sample from Sey dump duck to le					
HEALTH & S	AFETV.					
	wed SES's Safe Work Form/Pre-Tas	sk Plan for today, and ve	rifies by signin	a below, that th	ese document	s comply with the
	nd content of SES's HASP	sk i lait for today, and te	inica, o y aigini	ig below, alde a	and document	, 55/1/6//
		2				
AEI Signatu	re	\rightarrow				
SES/AEI cond	ucted daily H&S tailgate(meeting t	review work scope and	safety precaul	tions/JSAs assoc	iated with safe	work practices. See SES
	topics discussed and issues raised.					
TSSLIES/CH/	ANGES/RESOLUTIONS:					
N/A	11020/11200201201101					
DISCUSSION	NS /CLIENT DIDECTION.					
N/A	NS/CLIENT DIRECTION:					
10/1						

STRATEGIC ENVIRONMENTAL SERVICES, INC.

362 Putnam Hill Road Sutton, Massachusetts 01590 Office: (508) 757.7782

Fax: (508) 363.2346 www.strategic-es.com



DAILY WORKSHEET

Date: 9/4/18						Project N	Number: 180315
TUESDAY							
CLIENT / SITE INFORMAT	ION						
Name: BASF						The last	
Address: 180 MILL S	ST.						
CRANSTON	RI						
Contact: AARON (A	EI						
PROJECTS NOTES							,
CONTHEUD HIS	BEIEFI	NEV 1	EUL	ENE	DS	WW/A	EI/CONT. SOK EXCAVATIONS IN OC
SOILS CELL 406-418	10 7'DE	PTHI	SUP!	DETER	AE	IN SAM	PLINGSIDE WALLS HIBGITOM OF EXCAUATION
DECONNED S/S TO MON	ETORA	HLS	IDE	OF LE	T 26	Batoge	ADE OUT FOR MEMBRANE/BEGAN SOIL EXC.
							F 5 STRONG SWEET OTORS BEGANCOMING FED
							WS W/DID READINGS/CONCERN FOR TSLA/ROBA
MIX FOR SOIL DISPOSAL	POSSIBLE"	TOLU	ENE	SOU	GUT;	SOIL HE	LD IN CAN FOR FORTHER HNACETRAL
LABOR * SENTIMPE SAMP							ALS / EQUIPMENT / TOOLS
Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description
R. Doughert	SUP		0630	1600			PPE Level: A B C D MOD.
D. BERGERON	OP		1	1500	4	2	SERVICE VEH.
M. AYOTTE	DR			1500			SITE TRAILER RESTROOM/SINK
K. SWEENET	OP			1515		y -	GENERATOR
J. SZPILA	OP			1515		1	CONNEX BOX
B. ROE	OP			1500		2	EXCAVATORS (321C/3202) HAMMER
CIMCCARTHY	FT		1	1515		1	SKID STEER (209D)
)	LOADER (966H)
SUBCONTRACTORS							ROLL OF FTRUCK
						2	ROLL OFF CANS (40) NEX (30) (37 R4R)
	p = 100						DUMP TRUCK (UR/0558256)
						1 POLL	6MIL POLT
						3 EA	6MIL POLT BAGIS
						GEA.	CHEN BOOTS
						6 A.	WHT TYVEKSUITS
					1-	7EA.	HYDRATION
						GEA.	FIRE HOSE 1.5"X50"W/NORKIE+METER
WEATHER OBSERVATION	IS						
SUNNYHOT! 90'S						Project Mana	ger's Signature:
						Client's Sign	ature:

Project:
BASF Facility
Cranston, RI
Cranston, RI Date (9/4)

DAILY SAFE WORK FORM No. 2\

SES, Sutton, MA (Page ___ of ___)

Servicing or Mai				
		mentation Project		
Start Date / Time				
	0 Mill Street, C	ranston, RI		
Work				
Strategic Enviro				
Primary/Lead Cor				
Contact Person:				
Contact phone #	508-57	9-2565		
Sign-off sheet attest	ting that the HASI	(HASP) Signatures P has been made available an	nd reviewed by the individual p	prior to entry into the site, and/or daily H&S
required daily, and a	as otherwise deer	ned necessary by the Site He	alth and Safety Officer. By sig	ion. Thereafter, a tailgate safety meeting is ining below, an individual certifies that he has
read, understood, ar	nd will observe th	e contents of this HASP and	Daily Safe Work Form with Pr	e-Task Planning Form.
Health and Safe	ty Meeting			
Date	Name of Atte		Company	Initials ₄
9/4	Jennis	Dergerun	SES	5/15
9/4	KENTA	SWEENEY	SES.	1
964	PLAD YT	Med on 11	AFI	Par
94,	Joseph	Drebunin	YEX	10
9/4	de	n Sapila	SES	155
114	131v=	1 1255	505	BA
9/4	Agran	Tine	AEI	ACT
4/4	Charles,	Miccosthy 20	SES	cm
	MIKU	Nejta	X 5	MA
9/4		aughter .	JES	(83)
914	D-6 16	xddoe66	SES	Ruj
Visitor Log				
	at visitors must fu	rnish their own personal pro	tective equipment. All visitors	are required to sign the visitor log and
comply with Health	and Safety Plan r	equirements. If the visitor rep also immediately notify HSC.	presents a regulatory agency of	concerned with site health and safety issues,
Name of Visitor (Print)	Company Name	Date of Visit	Signature
		or or		

Project: BASF Facility Cranston, RI Date (%4)

DAILY SAFE WORK FORM

SES (Page <u>♀</u> of <u></u>)

-				
		pment/Vehicles/Motorized Equipment		
		rvice Trailer		Roll-off Tractor Truck
	xcavat	· ·		Roll-off containers
_	oader		4	Dump Truck/Triaxle
	rack D			Dump Trailers
		eer Loader		Pickup Utility Trucks
₩ F	rac Tai	nk 🖳	4	Sump Pump
ØK G	enerat			Trench Box
□ v	Vater B	uffalo		NaOH Storage Tank
	awzail			Other (list)
This w	ork als	so requires the use of the permits or doc	ume	ents checked below
☑ PF	ROJEC'	T-SPECIFIC HASP		
☐ LO	CK-OL	JT, TAG-OUT PERMIT		
		SK PLANNING FORM		
	NFINE	ED SPACE ENTRY PERMIT		
[] OT	HERS	(LIST)		
Antici	pated	Project Risks and Hazards Identification	Ide	entify the source/s used and include necessary specific
		See Daily Pre-Task Plan for day-specific info		
Used	N/A	Source		Specific Risk or Hazard that needs to be addressed
Х		Pre-work Inspection of the work site		See SES HASP
X		MSDS review / includes any 'new' chemica	als	MSDS Sheets Provided in HASP
1	X	Crane Operations		
	Х	Elevated Work		
Х		Environmental Conditions		See SES HASP
X		Heavy Powered Mobile Equipment Use		Excavators to load soil into trucks, truck traffic
	Х	Language / Communication Difficulties		
X		Materials to be used		See Pre-Task Plan
	Х	Overhead Work / Rigging		
	Х	Special Equipment to be used		
X		Trenching / Excavation		See SES HASP
	Х	Utilities System tie-in / restrictions		
Х		Other Risks or Hazards		PCB/VOC-contaminated soils; Sodium Persulfate
Antici	pated	Project Required Precautions & Protective	ve N	
		See Daily Pre-Task Plan for day-specific in		
Need	N/A	Area		Specific measures that are required
X		Access & Egress Plans (People & Equipr	men	To be developed on site with SES work crew
	X	Barricades needed		
	X	BASF equipment / materials to be used		
	X	Electrical safety equipment required		
	Х	Elevator use		
Х		Emergency Equipment		See SES HASP
X	+	Emergency Plans / Emergency Respond	er	See SES HASP
	X	Fall protection	-	7.5.7.7.7.1.1.1.1.1
Х	1.	First Aid / Medical Treatment provisions		See SES HASP
	X	HOT WORK Procedure requirements		
	X	HVAC System requirements		
1	X	LINE-BREAKING procedure requirement	ts	
	X	Scaffolds / decking		
X	+^-	Temporary electrical power		See SES HASP
^	X	Temporary Utilities services		CCC CEO TIAGI
x		Trench / Excavation Boxes		See SES HASP

Project: BASF Facility Cranston, RI Pate (4/4)

DAILY SAFE WORK FORM

SES (Page <u>3</u> of <u>6</u>)

		Other Requirements				
Requi	red Pe	rsonal Protective Equipment (PPE) Identify the so	ourc	e/s us	sed and	I check the appropriate boxes
	PE GRI					er Knowledge Prior SWP
YES	NO	ITEM		YES	NO	Item
X		Hardhat (either) ☐ Fiberglass ☒ Plastic			X	Rain Suit
Χ		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit Jacket Pants
	Х	Goggles			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves
Х		Hearing Protection ☐ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots
						with steel shank
	X	Respirator		X		Boots ☐ Rubber ☐ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest
Traini	ng Red	quirements				
Need	N/A	Area				
*	X	BASF Safety Orientation (if required)				
X		MSDS Reviews				
X		Review of precautions listed above per SES HAS	SP			
X		Review of required PPE				
		Other training (specify) –				

Project: BASF Facility Cranston, RI Date (9/4)

DAILY SAFE WORK FORM

SES (Page <u>4</u> of <u>6</u>)

STRATEGIC	PROJECT / JOB / TASK	LOCATION:	DATĘ ,
ENVIRONMENTAL	(Description):	180 Mill Street,	9/4/18
SERVICES	BASF Cranston/CMI Implementation	Cranston, RI	1/1/10
PRE-TASK PLAN	SES SUPERVISOR:	•	
(PTP)	RYAN DOUGHERTY		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task L	ist (Check off AND Circle today's activities)
	Task 1 - Permitting
	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
Ž	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
B	Task 4 – Transportation and Disposal of Contaminated Material
	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
	Task 6 - Demobilization

	Titiai riazaras, aria ri	ecommended Actions or	Trocedures	
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10
×	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6
図	3,4,5,6	Job Zone Control	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs
Ø	3,4,5,6	Heat	NA□ Low□ Medium⊠ High□	B4 Heat: All JSAs
	3,4,5,6	Cold	NA□ Low□ Medium⊠ High□	B5 Cold; All JSAs
	1,3,4,5,6	Severe Weather	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs
	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
M	4,5,6	Noise	NA□ Low□ Medium⊠ High□	B8 Noise: All JSA's
Ø	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9
	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
	4,5,6	Overhead Hazards	NA□ Low⊠ Medium□ High□	B15 Overhead Hazards: JSA 2,5,6
DQ.	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA
□3⁄	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5

Project: BASF Facility Cranston, RI Pate (4/4)

DAILY SAFE WORK FORM

SES (Page ∑ of <u>6</u>)

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
	5,6	Trenching/Excavation	NA⊠ Low□ Medium⊠ High□	B19 Trenching/Excavation:JSA 4,5,6,8
	1,3,4,5,6	Vehicle use	NA□ Low⊠ Medium□ High□	B20 Vehicle Use: All JSA
	2,3	Work near/on water	NA Low Medium High	B21 Work Near/On Water: JSA
	4,5	Elevated heights (<4ft)	NA□ Low⊠ Medium□ High□	B22 Working from Heights (<4 feet)
	4,5	Elevated heights (>4ft)	NA□ Low⊠ Medium□ High□	B23 Working from Heights (>4 feet)
X	5,6	Overhead/underground utilities	NA□ Low□ Medium⊠ High□	B24 Overhead/Underground Utilities: JSA 1,3,4
	4,5,6	Powered hand tools	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9
X	4,5,6	Electrically powered equipment	NA□ Low⊠ Medium□ High□	B25 Electrically Powered Equipment and Tools: JSA 9
② (4,5,6	Cutting devices/tools	NA□ Low□ Medium⊠ High□	B26 Cutting Devices/Tools; JSA 9
	4,5	Drums, cylinders, containers	NA□ Low⊠ Medium□ High□	B1 Chemical: JSA 4
Ø	3,4,5,6	Material handling, ergonomics	NA□ Low□ Medium⊠ High□	B29 Material Handling/Ergonomics: JSA 2,6,7,9
M	3,5,6	Poisonous/irritating plants	NA Low Medium High	B32 Plants and Animals: All JSAs
⊠	4,5,6	Insects/rodents/snakes	NA Low Medium High	B32 Plants and Animals; All JSAs
A	3,5,6	Ticks, mosquitos	NA Low Medium High	B32 Poisonous Plants, Animals, and Insects; All JSA
	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	B34 Personal Safety; All JSAs
	Note: A single hazard evaluated as the over		Tasks. In this case, use the highest	Severity ranking of the tasks

	1,3,4,5,6	Employees working early/late	NA□ Low⊠ Medium□ High□	Animals, and Insects; All JSA B34 Personal Safety; All JSAs
		azard may be listed under seve e overall ranking.	eral Tasks. In this case, use the higher	st Severity ranking of the tasks
	1			
Descripti	on of Any Additional	Activities, And Associated He	ealth and Safety Risks and Protective	e Procedures/Equipment:
Descripti	on of Any Additional	Activities, And Associated He	ealth and Safety Risks and Protectiv	ve Procedures/Equipment:
Descripti	on of Any Additional	Activities, And Associated He	ealth and Safety Risks and Protectiv	ve Procedures/Equipment:
Descripti	on of Any Additional	Activities, And Associated He	ealth and Safety Risks and Protective	ve Procedures/Equipment:

	SESC Plan	Inspection Report						
	Proj	ect Information						
Name Location Location Location Location								
Location	cation 180 M.II St Complex RT (2							
DEM Permit No.	180 Mill St, Cranston, RI (Plat 4, Lof 1102) M Permit No. 18-0048 / RIRI 01724							
Site Owner	Name Name	Phone						
	Joseph Guarnaccia	973-245-5269	Email					
Site Operator	Ryan Dougherty	Phone	joseph.guarna acia@bast.co					
	9	tion Information	rdoughery estrategic. com					
Inspector Name	Name	Phone	EII					
	Aaron C. Ting	978-577-7188	ating eaeiconsultants.co					
Inspection Date	19/4/2018	Start/End Time	0800-0830					
	Pre-storm event During str	orm event D Post storm						
	3	orm event	nt Other					
Last Rain Event Date:	Duration (hrs):							
Rain Gauge Location	on & Source:	Approximate Rainfall (in):	_					
onsite we	eather station							
Weather at time of t	his inspection:							
	Partly Cloude	175°F	1 :					
		()						
Check statement the	at applies then sign and date belo							
☐ I, as the designate determined that mai	ed Inspector, certify that this site intenance and corrective actions and the corrective actions are the correction that the site requires correction that the site requires correction.	has been inspected as required are not required at this time.						
Print Name								
	on C. Tins	->	Date					
		7	9/4/18					
he Site Operator ac ndings. He/she ack f all such corrective	knowledges by his/her signature, nowledges that all recommended actions must be made in this ins	, the receipt of this SESC Plan i	inspection report and its mpleted and documentation					
	DOUGHERTY Signature	D. A D	egulations.					

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installe Operat Proper	ing	Assoc. Photol Figure#	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Site exit includ	RIDOT Std Specs.	⊠Yes		See Photo log	
	decon. pad	el Soil Brosion and Sed. Control bak				
2	Project-wide including material strokepiles	Penmeter - compost filter socks. (HOGT 9.2.0, Stockpiles_halpbales BBOT Std Spec-204.22	ØYes	□No	see photio	5. It fence on SE site down. Infirmed SES. Sec corrective action los
3	Project-wide induding material stockpiles	RISESC Handbook Water for dust control/cover Stockpiles RISESC Handbook RISESC Handbook	⊠Yes	□No	see photo log	
4	Adjacent roads	Roads adjacent to construction site 6hall be clean at the end of each day	\(\text{Yes}\)	□No	see proto log	
5	Project-wide	Pideup construction trosh debris	⊠Yes	□No	NIA	
6	Project-wide	Spill prevention / Spill containment measures	ØYes	□No	АΙα	•
7			□Yes	□No		
8			□Yes	□No		

General Site Issues

Below are some general site issues that should be assessed during inspections. Please customize this list as needed for conditions at the site.

	Compilance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If "Yes", please detail action required
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	⊠Yes □ N/A		and include location/station)
2	Are appropriate limits of disturbance (LOD) established?	⊠Yes □ N/A	No	
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	□Yes □ ⊠N/A	No	
4	Are all temporary conveyance practices installed correctly and functioning as designed?	☐Yes ☐I ØN/A	No	
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	□Yes □I ⊠N/A	No	
6	Were all exposed soils seeded by October 15 th ?	☐Yes ☐I ☑N/A	No	
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	□Yes □I	No	
8	In instances where adequate vegetative stabilization was not established by November 15 th , have non-vegetative erosion control measures must be employed?	□Yes □II 対 N/A	No	
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	□Yes □I	No	
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	□Yes □N ⊠N/A	No	
11	Has the operator cleaned and maintained inlet protection measures when needed?	□Yes □N ØLN/A	No	
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	□Yes □N ØN/A	No	

	Compliance Question		Assoc. Photo/ Figure#	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	□Yes □No Ø-N/A		and include (openionstation)
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	□Yes □No ⊠.N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	□Yes □No ⊠N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	□Yes □No □XN/A		
17	Is the operator maintaining sediment controls in accordance with the requirements in the RI SESC Handbook?	⊠Yes □No □ N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	□Yes □No ¤N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	□Yes □No ☑ N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	□Yes □No Ø N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	□Yes □No □N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	□Yes □No ⊠(N/A		
23	Are all chemicals being managed in accordance with Appendix J of the RISESC Handbook and current best management practices?	□Yes □No ☑ N/A		
24	Has the site operator taken steps to prohibit the following pollutant discharges on the site?			
а	Contaminated groundwater.	⊠Yes □No □ N/A		

	Compliance Question			Assoc. Photo/ Figure-#	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	☐Yes ☑N/A	□No		and monder idealogistation)
С	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	□Yes ⊠N/A	□No		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	⊠Yes □ N/A	□No		
е	Soaps or solvents used in vehicle and equipment washing.	✓ Yes	□No		
f	Toxic or hazardous substances from a spill or other release.	⊠Yes □ N/A	□No		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	⊠Yes □ N/A	□No		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	□Yes Ø N/A	□No		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	ÆQYes □ N/A	□No		
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	⊠Yes □ N/A	□No		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	⊠Yes □ N/A	□No		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	⊠Yes □ N/A	□No		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	⊠Yes □ N/A	□No		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	⊠Yes □ N/A	□No		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	⊠Yes □ N/A	□No		

Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (if 'Yes', please detail action required
exposed to stormwater?		, igut #	and include location/station)
Are stockpiles located within the limits of disturbance?	⊠Yes □No		
Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	⊠Yes □No □ N/A		
Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	⊠Yes □No □ N/A		
Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	⊠Ýes □No □ N/A		
Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	□Yes □No ☑N/A		
Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	□Yes □No ⊠ N/A		
(Other)			
Truin as recessory;			

General Field Comments: $\begin{picture}(100,0) \put(0,0){\line(0,0){100}} \put(0,0){\line(0,0){100$

Corrective Action Log

TO BE FILLED OUT BY SITE OPERATOR

Describe repair, replacement, and maintenance of control measures, actions taken, date completed, and note the person that completed the work.

Location/Sta		C	Date completed	Person Responsible
SE SI	e Restake o silt fer	and replace turn		SES
-				
-				
-				
1				
	ure:	A)	te: 9/4/16	

INSPECTION DATE: 91418

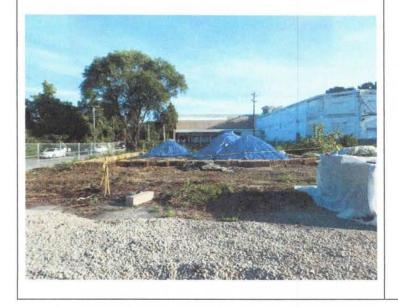
Photos:

Photo #: 1

Station: North Site

Description: Decontamination pad located on Lot 1102

Photo #: 2



Station: North Site

Description: Temporary stockpiles, covered with poly/tarp and surrounded by haybales.

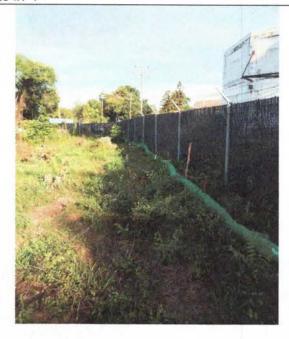
Photo #: 3



Station: North Site

Description: Construction access road leading to Mill St from Lot 1102. Adjacent roadway kept clean from any soil track-out from exiting vehicles/equipment.

Photo #: 4



Station: North Site

Description: CFS staked on northern property boundary.

Photo #: 5



Station: South Site

Description: Staked silt fence on south east side of

Site.

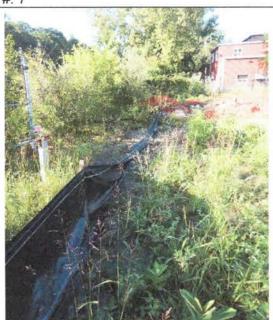
Photo #: 6



Station: South Site

Description: CFS located on south side of Site.

Photo #: 7



Station: South Site

Description: Silt fence down on southeast side of site. Informed SES, who will restake and replace torn silt fence. See corrective action log.

BASF 180 Mill Street, Lot 1102 Cranston, RI

Date	Name	Company Name	Time In	Time out
9/4	RYHN DOUGHEATT	SES	0630	1600
9/4	Dennis Borgera	SES	0630	1500
9/4	MIKE Syrte	SE-2	0630	1500
9/4	KEVIN SWEENEY	SES	0630	1514
014	Ashet Medy 1,	AFI	0630	1615
9/4	Joseph Drehaum	AEI	06:30	16:15
9/4	John Spin	SES	0630	1515
914	BRAD - PORE	SES	06:30	15,00
914	Aanon Ting	AEI	0636	lle30
9/4	Charles Mastly a	SES	06 30	15:10
9/9	B. S. Mallay	SES	0900	3945

		DAILY F	ROJECT REP	ORT						
Project:	BAS	SF, Lot 1102		Submitted By: Aaron C. Ting						
	180	Mill Street	Signatu		AL					
	Crar	nston, RI		ate: 9/5/201	8		Consulta	nts		
	Wea	other: Sunny		Daily	- Const					
PERSONNEL	/FOU	IVALUE IN THE PROPERTY OF THE		Precipitation	: 0	Temp: 80				
Contractor	No.	ILPMENT				(1)	li - low)	-		
Contractor	IVO.	6		Owner/Repre	esentative: N/A					
1		Superintendent		_						
1		Foremen	SES							
		H&S/QA Officer	SES	AEI Personne	el: Rick Kowalski					
		Operators	SES		Joe Drebaum			1		
1		Laborers	SES		Robert Medagli	0		1		
	_	Other Trades (Surveyor)			Rob Palermo			1		
SubContractor	No	Company						I.		
sundactor	140.	Company/Firm		Visitors On Si	te: N/A					
				-						
				-						
	_12	Total Personnel On Site						_		
MAJOR EQUI	DMEN	IT.								
		ocat 289D skid steer, CAT 321C/	222		EQ	UIPMENT/MA	TERIALS RECE	IVE		
CAT 996H Load	ler. 20	-yard metal recycling container,	322 excavators		CAT 725 Rock T	ruck, CAT 320E	excavator			
United Rentals	5 cv d	ump truck, 20-cy dump trailer								
2-trash/recyclin	a hins	, 2-100 yd rail cars								
hoe ram, 4,000	gallon	baffle and 10,000 gallon frac ta								
WORK COMPL	FTED	tourne and 10,000 gallon frac ta	ink							
SES leveled out	and n	repared rail side of lot 2682 for ar #PW20018 with 87.75 ton so								
SES continued to AEI set up and co stockpiles and su Lot 2682 due to AEI office health	alibraturroun the re	thic yards of Type 2B/2C soils we that AEI with sample collection from the perimeter dust monitors. No ding deeper excavations (>3') we bar and other debris puncturing afety officer (R. Palermo) condu- ted by field personnel.	n deep excavations o dust monitors obs with staked orange of the 6-mil poly.	s with excavator served action leve snow fence. SES	els exceeding du 5 used a higher s	ring today's wo strength tarp to	rk. SES managi cover the 2B so	ng oils on		
ES collected wa	ste ch	aracterization sample from odori soil Types until results have beer	ous soils removed f received.	from Type 2C exe	cavation. These	soils have beer	n stockpiles			
EALTH & SAFE	ETY:									
EI has reviewed rocedures and co	SES's ontent	Safe Work Form/Pre-Task Plan to f SES's HASP." y H&S tailgate meeting to review tussed and issues raised.						e SES		
SSUES/CHANG										
/A										
SCUSSIONS/	CLIEN	IT DIRECTION:								
A		. DARLETION;								

STRATEGIC ENVIRONMENTAL SERVICES, INC.

362 Putnam Hill Road Sutton, Massachusetts 01590 Office: (508) 757.7782

Fax: (508) 363.2346 www.strategic-es.com



DAILY WORKSHEET

Date: 9/5/18 Project Number: /8-0315								
WEDNESTAY								
CLIENT / SITE INFORMATION								
Name: BASF			1					
Address: 180 MILL ST	Γ,							
CRANSTON,	RI			-				
Contact: RICK (AET)	il.							
PROJECTS NOTES								
HELD HIS MEETING	A/REVIE	WED	SOL	N W/	AEI	DEDICAT	TED (TS) OFERATOR TO AET FOR SAMPLING	
DEEP EXCAVATIONS YEX	aic avator/	LEVE	ELED	OUT 4	PRE	PRED RAI	LSIDE OF LOT 2682 FOR RUBBER LINER	
EXTENTED OUT CONTAIN	UMENT	AREA	105	UPPOR	T POS	SIBLE RCE	A/TRASULS/LAMED AND LOADED OUT RAIL	
CAR #5100018以-87.75	TON+ P	J300	84 W	/- 88	85TO	OFTSCA:	ECIL FOR TRANS/EXCEPTED DELIVERY OF ROCK	
TRICK + SES EXCANATOR	/ REPORT	ED (a)	Bus	ED, F	REH	TORANTS T	TO PROV, WATER SET BOTH FRAC TANKS ONSTIE!	
				- 1			MPLES FOR RERA/TSCA SOILS.	
LABOR				*		MATERIA	ALS / EQUIPMENT / TOOLS	
Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description	
R. DOUGHERTY	SUP		0630				PPE Level: A B C D-Map.	
K. SWEENET	OF			1500		2	SERVICE VEH,	
J. SZPILA	OP	-		1500		1	SITE TRAILER/RESTROOM/SINK	
D. BERGERON	OP			1500		1	GENERATOR	
M. AYOTE	DR			1500		1	CONNEX BOX	
B. ROE_	OP		1	1500		3	EXCAVATORS (321C/332L/320E)	
C.M°CARTHY	-FT		6700	1515		1	SKID STEER (289D)	
						1	LOADER (966H)	
SUBCONTRACTORS							ROLL OFF TRUCK	
TINIO-DELIVERY R	COCKT	RICK	4	320)		2	ROLL OFF CANS (409 NER / 28637 RUE)	
							ROCK TRUCK (CAT 725)	
		1				ZROU	20 MIL POLT	
				1 here		3 ROLL	40 MIL RUBBER MATTING	
						4EA	CHK BOOTS / WHT TYVEK	
						7EA	HYDRATION	
						GEA.	FIRE HOSE 1.5"X50" NORZIE+ METER	
WEATHER OBSERVATIONS								
SUNNY MID 80°5						Project Manager's Signature:		
		4			net "			

Project:	
ASF Facilit	ty
Cranston, RI	
Date (9/5)

DAILY SAFE WORK FORM No.22

SES, Sutton, MA (Page / of 6)

Servicing or Main				
Description of Wor	rk: CMI Implem	entation Project		
Start Date / Time:		9/5/18 0630		
Location of 180	Mill Street, Cra	nston, RI		1
Work		W.		
Strategic Enviror	nmental Servic	es, Inc. (SES)		
Primary/Lead Con	npany Name: SI	ES		
Contact Person:		SHERTY		
Contact phone #	(508) 579	-2565		
Health and Safet	y (H&S) Plan (H	HASP) Signatures		
	AL AL HIACD	bee been made evailable and rev	riewed by the individual prior	to entry into the site, and/or daily H&S
briefing. All personn	el participating in	the project must receive initial H	ealth and Safety Orientation. and Safety Officer. By signing	Thereafter, a tailgate safety meeting is below, an individual certifies that he has
required daily, and a	s otherwise deeme	contents of this HASP and Daily	Safe Work Form with Pre-Ta	sk Planning Form.
Health and Safet	v Meeting			
Date	Name of Atten	dee (Print)	Company	Initials
9/5	PYAN DOL		568	(ED)
9/3		2526	SES	and the same of th
91/5	1 JAMIS	Sugar	SES	00
9/5	PREJENSO		SES	75
7/5	MIKY	AVOTTE	50,5	N
9/5	Charles	McCathy I	SES	GML 1
9/5	Tasell	Drebayin	AEC	40
075	Rekel	medarlie.	AEZ	- Ig
91.5	Rich	Kernsilsky	AB/	from
alt	20h	Szeile	SSE	3)
The state of the s				
Visitor Log			the aguinment All vicitors are	e required to sign the visitor log and
It is SES's policy th	nat visitors must fu	irnish their own personal protect	ents a regulatory agency con	e required to sign the visitor log and ocerned with site health and safety issues,
the Designated Site	e Supervisor shall	also immediately notify HSC.		
Name of Visitor		Company Name	Date of Visit	Signature
	cmo	ASI	9/5/20/8	I shot & felering
In the 355			69/05/18	1 ten
7-20				
1				

Project: SASF Facility Franston, RI Date (9/5)	DAILY SAFE WORK FORM	SES (Page <u>Q</u> of <u>6</u>)

Project:	
ASF Facility	y
Cranston, RI	
Date (9/5)

DAILY SAFE WORK FORM

SES (Page <u>3</u> of <u>6</u>)

		ment/Vehicles/Motorized Equipice Trailer	182	Roll-off Tractor Truck
	cavator		Ø	Roll-off containers
_	oader	5	Ø	Dump Truck/Triaxle
	ack Doz	ror		Dump Trailers
_		r Loader	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Pickup Utility Trucks
_	rac Tank		N	Sump Pump
	enerato			Trench Box
_	ater Bu			NaOH Storage Tank
_	awzail	naio		Other (list)
PR	OJECT-	o requires the use of the perm SPECIFIC HASP	its or docu	
LO	CK-OU	T, TAG-OUT PERMIT		
PR	RE-TASK	PLANNING FORM		
		SPACE ENTRY PERMIT		
	THERS (
ntici	ipated F	Project Risks and Hazards Iden	ntification	dentify the source/s used and include necessary specific
nform	nation (S	ee Daily Pre-Task Plan for day-	specific irrior	Specific Risk or Hazard that needs to be addressed
	N/A	Source the work	k site	See SES HASP
Χ		Pre-work Inspection of the wor	N Site	Provided in HASP

forma	tion (Se	ee Daily Pre-Task Plan for day-specific information	the source/s used and include necessary specific) Specific Risk or Hazard that needs to be addressed
sed	N/A	Source	Openine ruleit or
-		Pre-work Inspection of the work site	See SES HASP MSDS Sheets Provided in HASP
		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided III TIAG
	X	Crane Operations	
	X	Elevated Work	a ara wash
		Environmental Conditions	See SES HASP Excavators to load soil into trucks, truck traffic
		Heavy Powered Mobile Equipment Use	Excavators to load soil life trucks, a devia
-	X	Language / Communication Difficulties	T. J. Plan
X	^_	Materials to be used	See Pre-Task Plan
^	X	Overhead Work / Rigging	
	X	Special Equipment to be used	are HACD
X	^	Trenching / Excavation	See SES HASP
^	X	Utilities System tie-in / restrictions	PCB/VOC-contaminated soils; Sodium Persulfate
Distance Hozorde		Distance Hozorde	Sures Be sure that each identified Risk or Hazard is
X.			
X Antici	pated	Designat Produited Precautions & Protective Mea	
	pated ssed (Designat Produited Precautions & Protective Mea	on)
Antici addre	ssed (Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information	Specific measures that are required
Antici addre Need	ssed (Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment)	Specific measures that are required
Antici addre	ssed (Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment) Rarricades peeded	Specific measures that are required
Antici addre Need	ssed (Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment) Barricades needed BASF equipment / materials to be used	Specific measures that are required
Antici addre Need	ssed (Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment)	Specific measures that are required
Antici addre Need	N/A X	Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment) Barricades needed BASF equipment / materials to be used Electrical safety equipment required Elevator use	on) Specific measures that are required To be developed on site with SES work crew
Antici addre Need X	N/A X X	Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment) Barricades needed BASF equipment / materials to be used Electrical safety equipment required Elevator use Emergency Equipment	Specific measures that are required To be developed on site with SES work crew See SES HASP
Antici addre Need X	N/A X X	Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment) Barricades needed BASF equipment / materials to be used Electrical safety equipment required Elevator use Emergency Equipment	on) Specific measures that are required To be developed on site with SES work crew
Antici addre Need X	X X X X	Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment) Barricades needed BASF equipment / materials to be used Electrical safety equipment required Elevator use Emergency Equipment Emergency Plans / Emergency Responder Fall protection	Specific measures that are required To be developed on site with SES work crew See SES HASP See SES HASP
Antici addre Need X	N/A X X	Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment) Barricades needed BASF equipment / materials to be used Electrical safety equipment required Elevator use Emergency Equipment Emergency Plans / Emergency Responder Fall protection First Aid / Medical Treatment provisions	Specific measures that are required To be developed on site with SES work crew See SES HASP
Antici addre Need X	x x x x x	Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment) Barricades needed BASF equipment / materials to be used Electrical safety equipment required Elevator use Emergency Equipment Emergency Plans / Emergency Responder Fall protection First Aid / Medical Treatment provisions HOT WORK Procedure requirements	Specific measures that are required To be developed on site with SES work crew See SES HASP See SES HASP
Antici addre Need X	X X X X	Project Required Precautions & Protective Mea See Daily Pre-Task Plan for day-specific information Area Access & Egress Plans (People & Equipment) Barricades needed BASF equipment / materials to be used Electrical safety equipment required Elevator use Emergency Equipment Emergency Plans / Emergency Responder Fall protection	Specific measures that are required To be developed on site with SES work crew See SES HASP See SES HASP

Project: BASF Facility Franston, RI Date (9/5)

DAILY SAFE WORK FORM

SES (Page <u>4</u> of <u>6</u>)

	X	Scaffolds / decking		
X		Temporary electrical power	See SES HASP	
	X	Temporary Utilities services	333 323 11/101	
X		Trench / Excavation Boxes	See SES HASP	
		Other Requirements		

Requ	ired Pe	ersonal Protective Equipment (PPE) Identify the s	source/s u	sed and	d check the appropriate haves		
U FF	PE GRI	D ⋈ MSDS ☐ BASF Knowledge	☐ Work	Provide	er Knowledge		
YES	NO	ITEM	YES	NO	Item		
Х		Hardhat (either) ☐ Fiberglass ☒ Plastic		X	Rain Suit		
X		Safety Glasses, ANZI-rated, side shields		X	Chemical Suit ☐ Jacket ☐ Pants		
	X	Goggles ☐ Chemical ☐ Dust		X	Personal Fall Protection Equipment		
	X	Faceshield	X	1	Gloves Chemical Work		
Х		Hearing Protection ⊠ Plugs ☐ Muffs	X		Long sleeve shirt and steel toed boots with steel shank		
	X	Respirator Half-mask Full-face	X		Boots ☐ Rubber ☒ Other		
	X	Dust Mask		X	Welding Protection		
	X	Fire Retardant Electrical Clothing		X	Retrieval System for Confined Spaces		
X		Eyewash Station	X	1	Mobile phone or radios		
X		Tyvek Suits	X		Insect repellent, sunscreen		
		Other PPE (list)	X		High-visibility, reflective vest		

	_	uirements
Need	N/A	Area
*	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –
	-	

Project:	
RASF Facilit	y
Jranston, RI	300
Date (9/5	1

DAILY SAFE WORK FORM

SES (Page <u>5</u> of <u>6</u>)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	9/5/18
PRE-TASK PLAN (PTP)	SES SUPERVISOR: PYAN DOUGHERTY	7, 20	

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

	st (Check off AND Circle today's activities)
	Task 1 - Permitting
	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
⊠"	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
Ø	Task 4 – Transportation and Disposal of Contaminated Material
	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
	Task 6 - Demobilization

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
Ø.	3	Chemical Hazards	NA□ Low□ Medium⊠ High□	B1 Chemical: JSA 10
X .	3,4,5	Dust/Fumes/Particulates	NA□ Low□ Medium⊠ High□	B2 Dust: JSAs 1,2,4,5,6
R	3,4,5,6	Job Zone Control	NA□ Low□ Medium⊠ High□	B3 Job Zone Control; All JSAs
Q .	3,4,5,6	Heat	NA□ Low□ Medium⊠ High□	B4 Heat: All JSAs
	3,4,5,6	Cold	NA□ Low□ Medium⊠ High□	B5 Cold; All JSAs
	1,3,4,5,6	Severe Weather	NA□ Low□ Medium⊠ High□	B6 Severe Weather: All JSAs
×	3,4,5,6	Walking/Working Surfaces	NA□ Low□ Medium⊠ High□	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
×	4,5,6	Noise	NA□ Low□ Medium⊠ High□	B8 Noise: All JSA's
X	5,6	Live Electrical Equipment	NA□ Low⊠ Medium□ High□	B14 Live Electrical Equip: JSA 5,6,9
	4,5	Poor Lighting	NA□ Low⊠ Medium□ High□	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
×	4,5,6	Overhead Hazards	NA□ Low⊠ Medium□ High□	B15 Overhead Hazards: JSA 2,5,6
X	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA□ Low□ Medium⊠ High□	B17 Traffic Management: All JSA
×	5,6	Heavy machinery/drill rigs	NA□ Low□ Medium⊠ High□	B18 Heavy Machinery: JSA 4,5
K	5,6	Trenching/Excavation	NA⊠ Low□ Medium⊠ High□	B19 Trenching/Excavation: JSA 4,5,6,8
J /	1,3,4,5,6	Vehicle use	NA□ Low⊠ Medium□ High□	B20 Vehicle Use: All JSA
7	2,3	Work near/on water	NA⊠ Low□ Medium□ High□	B21 Work Near/On Water: JSA
×	4,5	Elevated heights (<4ft)	NA□ Low⊠ Medium□ High□	B22 Working from Heights (<4 feet)